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*Livingston's*

# GUIDE TO FALL PLANTING

1911

U.S. DEPARTMENT OF AGRICULTURE  
LIBRARY  
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May-  
Flowering  
Tulips,  
Gesneriana  
Spathulata

Picotee

Isabella

Bulbs  
Paeonies  
Phloxes  
Seeds  
Etc.



*The*  
**LIVINGSTON SEED CO.**  
COLUMBUS, OHIO

# \$1.00 Livingston's Popular Paeony Collection \$1.00

Four Famous Sorts, One Strong Root of Each,  
for \$1.00 Postpaid

Last fall, our Dollar Paeony Collection met with such strong demand that we had to report "sold out" on some of the varieties included long before the end of the season. We are prepared to take care of a greater number of orders this fall. In an even better collection than last season's we offer strong roots grown in our Nursery of sorts which usually sell at 50c. and 75c. each. We consider this collection **THE Paeony opportunity** of the season. It is our business-builder, designed to acquaint you with "true blue" quality in Bulbs, Seeds, etc. Our margin of profit on this collection is less than on anything else offered in this catalog, because we want customers to know the type of goods we sell in this line. Do not fail to take advantage of this liberal offer. The magnificent flowers which these roots will bear next spring, will soon cause the investment to be forgotten.

## The Queen of Paeonies Festiva Maxima

The finest white Paeony in cultivation today. Though it is not a new sort, it has never been surpassed in its class and type, and the true variety will always be scarce. The illustration here-with presents this superb variety only very inadequately, as it must be seen in all its glory under congenial surroundings in order to be fully appreciated.

The magnificent white flowers are of perfect shape, very full and double. Some of the center petals are flaked with carmine. Festiva Maxima is a strong grower and free bloomer. Foliage handsome and healthy; flower carried on long, stiff stems.

## Madame Ducl

One of the best midseason sorts in cultivation. Perfectly formed globular flowers of brilliant silvery pink color, tinted and marked with salmon. Plants are of dwarf, vigorous growth, are excellently adapted to bedding and bloom very freely.

## Mont Blanc

Magnificent white with creamy center. Plants are of compact growth, bearing the fine, double flowers in greatest profusion. One of the best of its type.

## Rubra Triumphans

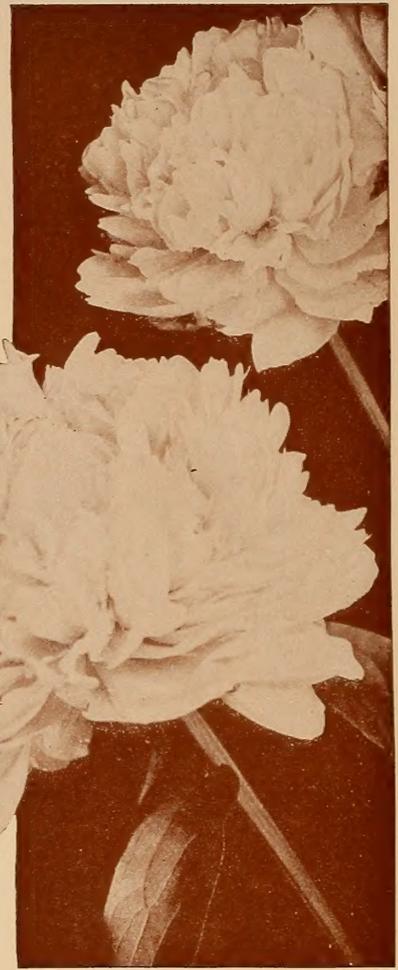
Deep crimson-maroon. A striking sort of brilliant beauty; exceedingly valuable for bedding and landscape work. Extra large, double flowers.

For full list of Paeonies consult pages 17-19 of Catalog.

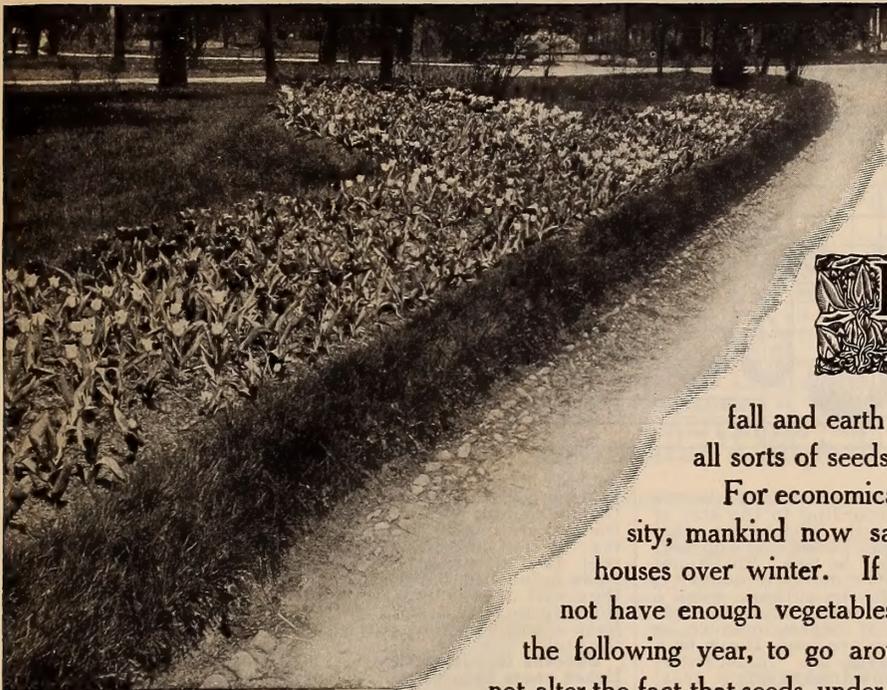
## Paeonies in Our "True Blue" Nurseries

is the title of the illustration below which shows a very small portion only of our Paeony fields. Last fall we transplanted several acres of the finest and most popular sorts in cultivation. They made a splendid growth the past season and are ready for digging this fall, which will give our customers choice, healthy roots of good size.

In above collection we offer something extra fine. A glance over pages 17-19 will familiarize you with the retail value of these sorts. We want you to become acquainted with our Paeonies because we know that you will be satisfied with the type of roots we sell. No better soil than that of our "True Blue" Farms can be found anywhere for the production of ideal Paeony roots and the best care combines with serious effort to raise roots and sorts worth while. Let us have a trial order.



View of Paeony Field in Our True Blue Nurseries.



## About Fall Planting of Bulbs and Seeds



It is not logical to stop all gardening with the approach of cold fall weather. Nature herself sows all seeds in the fall and earth is the best storage house for all sorts of seeds, bulbs and plants.

For economical reasons and forced by necessity, mankind now saves seeds and stores them in houses over winter. If we did not do so, we would not have enough vegetables and flowers, of certain kinds, the following year, to go around. But this condition does not alter the fact that seeds, under natural circumstances, are borne in the fall, sown in the fall and protected sufficiently by coats and shells to survive the most severe winter. Most plants bear seeds in the fall. Those that do not, have hardy roots. Some of these produce seeds the second year, then the roots may die. Others multiply by forming young roots around the mother bulb. By transplanting these young bulbs in proper fashion, we get, in two years time, those magnificent Hyacinths, Tulips, Narcissus, etc., which furnish us the first glorious flowers of spring.

### What the Dutch Bulbs Teach Us

The Dutch bulbs, more than anything else, teach us the necessity of fall planting. Left out of the soil during the winter, they deteriorate rapidly and by spring, their life sap is gone, dried up by the air, in which they are not supposed to exist for any length of time.

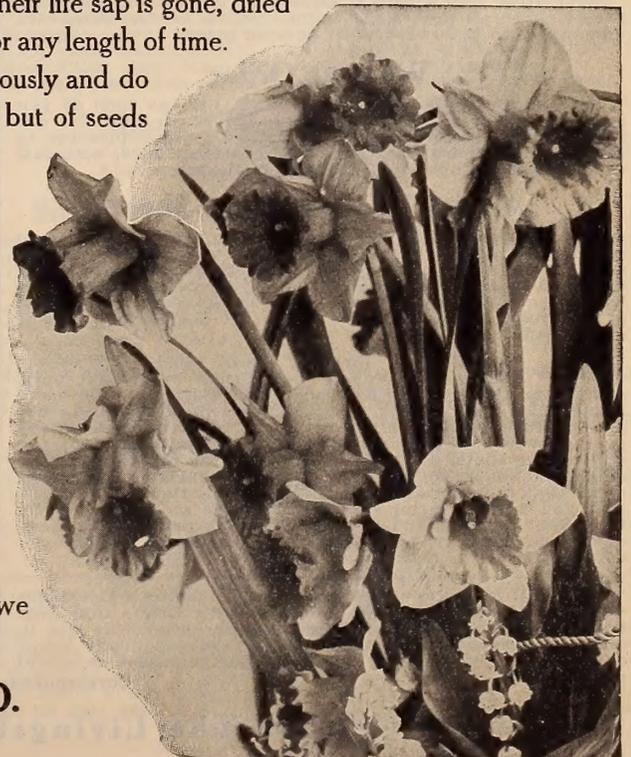
Let us all take the lessons, taught by nature, seriously and do some planting this fall—not only of bulbs, plants, etc., but of seeds as well. Sow some of the seeds listed on pages 22 and 23 of this catalogue. Plant a few rows of spinach, radishes, lettuce, sweet peas, and many of the other flower seeds. These plantings will give you the first vegetables and flowers of spring.

Wait until the soil gets cold after the first frosts, then go ahead and do your planting just as you would in the spring. Some of the seeds may sprout, should we have a few warm days late in the year, but the rest will slumber, in accordance with nature's laws, and will awaken to useful activity as soon as the call of spring becomes strong enough.

Wishing you best success with fall plantings, we remain,  
Cordially yours,

**THE LIVINGSTON SEED CO.**

Columbus, Ohio, August 20, 1911.



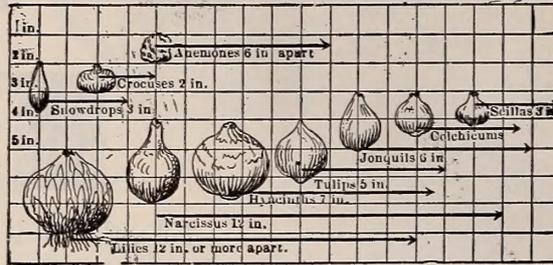
## Practical Culture Directions

**Outdoor Culture** The larger part of the bulbs offered in this catalogue are ready to ship by the second week in September. Planting may be done at any time from then until the first of January where the ground remains unfrozen, but should be done as soon after the arrival of the bulbs as possible. A few sorts, which are noted, will be sent in October or November, when they mature. Any good, well drained soil will grow bulbs. It should be well spaded. If it should be a heavy clay, it is best to add sand and manure to make it loose. Fresh manure is injurious; well rotted cow manure, sheep manure or bone meal is preferable. The surface of the beds should be slightly raised at the center so that water will run off quickly, as bulbs are liable to rot if water stands on the beds.

The bulbs themselves should be set from 3 to 12 inches apart and from 2 to 8 inches deep, according to the size of the bulbs and the conditions of the soil. The larger sized bulbs are planted at the greatest depth. (See chart above.) In heavy soils the average depth should be less. We cannot too strongly urge our customers to plant bulbs in quantity; they are then much more effective. In the autumn, when a hard crust is frozen on the top of the soil, cover the beds with about four inches of leaves; if coarse manure or straw is used, cover 6 inches; if leaves are used, throw on a little brush or earth to prevent blowing off. In localities where the ground does not freeze more than a slight crust they require no protection. In the spring, say March 1, remove half of the covering, and the balance of it as soon as the bulbs begin pushing through the soil.

**Culture in Glasses** When it is desired to grow Hyacinths in water, they should be placed so that the base of the bulb merely touches the water. The glasses should then be set in a cool, dark closet, or in the cellar, until filled with roots, when they may be brought into the light. Give as much fresh air as possible without letting the plants stand in a draught, and as nearly as possible at a temperature of 60 degrees until the spikes are developed. To put them at once into a room with a temperature of say 70 degrees would cause them to flower prematurely.

**Indoor Culture** **POT CULTURE**—For early flowers in the house, most varieties should be potted in September, and intervals up to December.



Some broken pieces of pots, pebbles or charcoal should be placed in the bottom of each pot for drainage. Fill the pots to the rim with soil; press the bulbs into it until they are covered; then press down the soil around the sides of the pot. After thoroughly soaking the soil and pot in water, they should be placed in a cool, dark situation, so as to encourage a strong growth of roots before the bulbs start at the top. If set in the cellar, they will need a little water every ten days. Also protect them from mice and rats. In six to eight weeks they will have made sufficient root growth to admit of bringing to the light.

**Success in pot culture of bulbs depends upon well established roots before the tops are allowed to start.** By bringing a few pots from the cellar to the light every week or so, a succession of flowers may be had for months, especially for Christmas and Easter.

## Important to Buyers

By observing the following Rules and Directions, Mistakes and Misunderstandings will be avoided.

### Local Delivery

We deliver free within a radius of 3 miles from our High Street Store all orders for bulbs, plants, seeds, tools, etc., amounting to \$2.00 or over at catalog prices.

### When to Order

Send in your order for bulbs, plants, etc., as soon as you receive this catalog. Most bulbs offered in this list are spring bloomers and should be planted from September to December. We are prepared to fill orders at once, with few exceptions, and these will follow a little later.

### Always Use the Order-Sheet

and envelope sent with the catalog when it is possible to do so. Write plainly, keep a copy of all your orders, and be sure to sign your name, postoffice, county and state every time you write. We quite often receive orders where these have been omitted, and nothing can be done until complaint is received. Extra envelopes and order sheets will be sent on application.

**Plants** Ornamental Shrubs, Trees, and Herbaceous Plants can be sent by express or freight only, customers to pay the transportation charges. We have found that small plants, such as are sent by mail, do not give uniformly satisfactory results. Moreover, to keep the postage within limits, we are obliged to take most of the soil off the roots, and this is not good for the plants. Besides that, our plants have grown into such sturdy specimens that it is almost impossible to mail them. We know that you will be better satisfied with the stock you get by freight or express, and in comparing our prices with those of others, keep in mind size and quality of plants you would get.

ZUR gefälligen Kenntnissname unserer deutsch-amerikanischen Kundschaft, dass alle deutschen Briefe und Aufträge dieselbe pünktliche Erledigung erhalten wie die in anderen Sprachen. Unser deutscher Correspondent kennt das Samenfach gründlich und kann fachgemässen Bescheid geben.

Correspondance française

### How to Send Money

Remittances should always accompany order. They may be made at our risk by any of the following methods: (1) Postoffice Order, (2) Bank Draft, (3) Express Company's Money Order, (4) Cash by Express in amounts of not less than \$5, (5) Cash in Registered Letters. When money cannot be sent in either of the first four ways, it may be sent in a Registered Letter from any postoffice. The rates charged for Postoffice Orders and Express Money Orders are now so low that this is the best way to remit where they can be obtained. We bear the expense of sending money in either of the above ways when order amounts to \$1 or over. Small amounts can be quite safely sent in stamps. Coin should not be sent by mail.

### Postage and Express Charges

Bulbs will be sent by mail or express, charges prepaid, when ordered at single or dozen rates; at the 100 rates and over, they are sent by express at purchaser's expense, unless otherwise stated. Not less than three of any one variety supplied at the dozen rate, 25 at 100 rate, 250 at 1,000 rate. Seeds will be sent free by mail or express unless otherwise stated.

### Substitution

It sometimes occurs that our assortments of some varieties of bulbs and plants become exhausted before the close of the season, in which case we shall take the liberty of substituting others of the same color and price, being equally as good as, if not superior to, those ordered. Should any of our customers object to this course, however, they will please state so in their orders.

DESDE alguno tiempo hemos tenido en nuestro despacho un dependiente que comprende la lengua española. Pueden correspondar en esta idioma y tanto cartas como órdenes habrán nuestro mas cuidadosa atención. Deseamos respuestas de todos de nuestros parroquianos.

The Livingston Seed Co.

# Livingston's Superior Hyacinths



THE Hyacinth is among our most popular and beautiful flowering plants, either for indoor or outdoor decoration. Its many desirable qualities are so well known that a lengthy description is unnecessary.

**GARDEN CULTURE**—Planted outdoors, they are one of the earliest and handsomest of spring flowers. The bulbs may be planted from September to the final freezing of the ground for the winter. A sunny situation and well-enriched soil are essential to highest success. They should be set 6 to 8 inches apart, and 6 inches deep. Before the ground freezes hard, cover with leaves or coarse litter, as already advised in "Practical Cultural Hints" on page 2, which please consult.

**CULTURE IN POTS**—For some bright flowers in the house in winter, Hyacinths are almost indispensable. Procure solid, heavy bulbs; plant a single bulb in a 5-inch pot, or several in a large pot or bulb pan. Fill the pots with soil; set away in a cool, dark place until thoroughly rooted; then place in a sunny window.

**CULTURE IN GLASSES**—The single-flowering varieties are best adapted for culture in glasses, and the choicest named sorts should always be used. Fill the glasses with soft water (keep full as it evaporates), so that the bottom of the bulb will just touch it. Keep in a dark cool place until the roots are about 6 inches long, when they may be brought into the light and warmth to bloom.

Our instructive leaflet, "How to Grow Hyacinths," free on request.

## Livingston's Superb Named Hyacinths

At the single, set and dozen rates, we send all Hyacinths by mail, post-paid.

### Single-Flowering Named Varieties

The varieties enumerated below have been selected for their distinct coloring and large, free-flowering qualities, and are all **Selected Sound Bulbs** of those sorts which are especially adapted for house culture in earth or water. Superb also for high-grade bedding effects in the garden.

#### Single White Hyacinths

- Baron Van Thuyll, White**—Pure white; large spike; early.
  - Grandeur a'Merveille**—Finest blush-white; extra fine truss.
  - Grand Vedette**—Pure white; large bells; good spike.
  - La Franchise**—Waxy-white; large bells and spikes.
  - La Grandesse**—Snow-white; perfect bells; tall truss.
  - L'Innocence**—Snow-white; fine large spike and bells.
  - Madam van der Hoop**—Pure white; large bells; compact truss.
  - Voltaire**—Creamy-white; large bells and fine truss.
- Above, each 10c. The set of 9 for 75c. Any dozen for \$1.00.

#### Single Blue Hyacinths

- Baron Van Thuyll, Blue**—Dark blue; large compact spike; early.
  - Charles Dickens, Blue**—Porcelain-blue, tinged lilac; fine.
  - Czar Peter**—Fine lavender blue, tinted porcelain; large bells and fine spikes.
  - Grand Lilas**—Porcelain-lilac; fine truss and bells.
  - Grand Maitre**—Grand. Deep porcelain-blue; extra large truss.
  - King of the Blues**—Rich, dark glossy blue; extra large truss.
  - La Peyrouse**—Clear porcelain-blue; large bells.
  - Mary**—A very beautiful sort, having a large spike; deep blue.
  - Regulus**—Clear light blue; large bells; very fine spike.
- Above, each, 10c. The set of 9 for 75c. Any dozen for \$1.00.

#### Single Yellow Hyacinths

- Ida**—Color, canary-yellow; splendid spike; a good forcer.
- Above, each, 10c.; dozen, \$1.00.

#### Single Red and Rose Hyacinths

- Charles Dickens, Pink**—Delicate pink; striped carmine; tall; extra large; very fine; early.
  - Gertrude**—Clear light-pink; large bells; very fine spike.
  - Gigantea**—A beautiful blush-pink; large broad spike.
  - Lord Macaulay**—A deep rosy-pink; extra large compact truss.
  - Norma**—Delicate waxy-pink.
  - Robert Steiger**—A fine deep crimson; splendid large truss.
  - Moreno**—A beautiful waxy-pink; large size; splendid spike.
  - Roi des Belges (King of the Belgians)**—Brilliant blood scarlet; elegant spikes.
  - Rosea Maxima**—Soft rose pink; fine large truss and bells.
- Above, each, 10c. The set of 9 for 75c. Any dozen for \$1.00.

### Success in Raising Flowers from Bulbs

depends a great deal on the careful preparation of the soil and the care taken in setting out the bulbs. The more attention is paid to preliminary work, the more chances you have to be successful.

Few soils contain the proper elements for perfect bulb culture. That's the reason why most bulbs are produced in those few countries where the soil is right. You can make the soil at your disposal right by adding such elements as are lacking. Pulverized Sheep Manure and Shredded Cow Manure contain the necessary plant-building elements to make bulb growing a success. Mixed with the soil in proportion of 5 parts of soil to one part of either fertilizer, they do splendid work. Here is what we offer:

**Shredded Cow Manure**—Very best to mix with soil in which to plant flowers and almost all kinds of plants. Thoroughly decomposed, almost odorless and ready to use. Put up in bags. 5 lbs., 25c.; 10 lbs., 40c.; 50 lbs., \$1.25; 100 lbs., \$2.00.

**Sheep Manure (Pulverized)**—A pure natural manure and very nutritious for plants. For potting soil, mix one part manure to six parts soil. For garden beds, mix five parts of soil with one part of manure. Splendid top dressing for lawns. 5 lbs., 25c.; 10 lbs., 40c.; 50 lbs., \$1.25; 100 lbs., \$2.00.



Grand Maitre Hyacinth.

## Double-Flowering Named Varieties

The Double-Flowering Hyacinths, when grown outdoors in the garden border, are most desirable. While we recommend the single-flowering varieties as giving the most uniform results, perhaps, especially when grown in water or pots in the house, you will need an assortment of the Double Hyacinths, as they are exceedingly attractive. The varieties listed below are the finest in cultivation.

### Double White Hyacinths

**La Tour d'Auvergne**—Earliest pure white; grand spike; an extra fine one.

**La Virginite**—Blush-white; splendid bells and truss.

**Prince of Waterloo**—Pure white, rosy center; very early.

Above, each, 10c. The set of 3 for 25c.  
Any dozen for \$1.00.

### Double Blue Hyacinths

**Bloksburg**—Bright porcelain-blue; large spike.

**Garrick**—Fine bright blue; good bells.

**Lord Wellington**—Beautiful dark blue.

**Prince of Saxony**—Deep purple; large.

Above, each, 10c. The set of 4 for 35c.  
Any dozen for \$1.00.

### Double Red and Rose Hyacinths

**Bouquet Royal**—Fine rose, dark red center.

**Bouquet Tendre**—Beautiful carmine-rose.

**Czar Nicholas**—Delicate light rose, fine spike.

**Grootvorst**—Blush-pink; large bells and truss.

Above, each, 10c. The set of 4 for 35c.  
Any dozen for \$1.00.

### Livingston's Selected Bedding and Forcing Hyacinths

In Separate Colors.

These are selected unnamed sorts, made in mixtures best adapted for beds and borders in the garden, or for florists' greenhouse forcing for cut-flowers, and are of such superior quality as to be used in im-



Double Hyacinth.

mense quantities for both purposes. For house culture in pots, we strongly advise you to use the named sorts listed on preceding page.

### Mixed Single-Flowering Sorts in Separate Colors

	Each	Doz.	100
Dark Red Shades Mixed.....	6c	65c	\$4 00
Rose and Pink Shades Mixed.....	6c	65c	4 00
Pure White Sorts Mixed.....	6c	65c	4 00
Blush and Tinted White Mixed....	6c	65c	4 00
Dark Blue and Purple Mixed.....	6c	65c	4 00
Light Blue and Lavender Mixed....	6c	65c	4 00
Blue, all Shades Mixed.....	6c	65c	4 00
Yellow, all Shades Mixed.....	6c	65c	4 00
Mixed, all the above colors.....	6c	65c	3 50

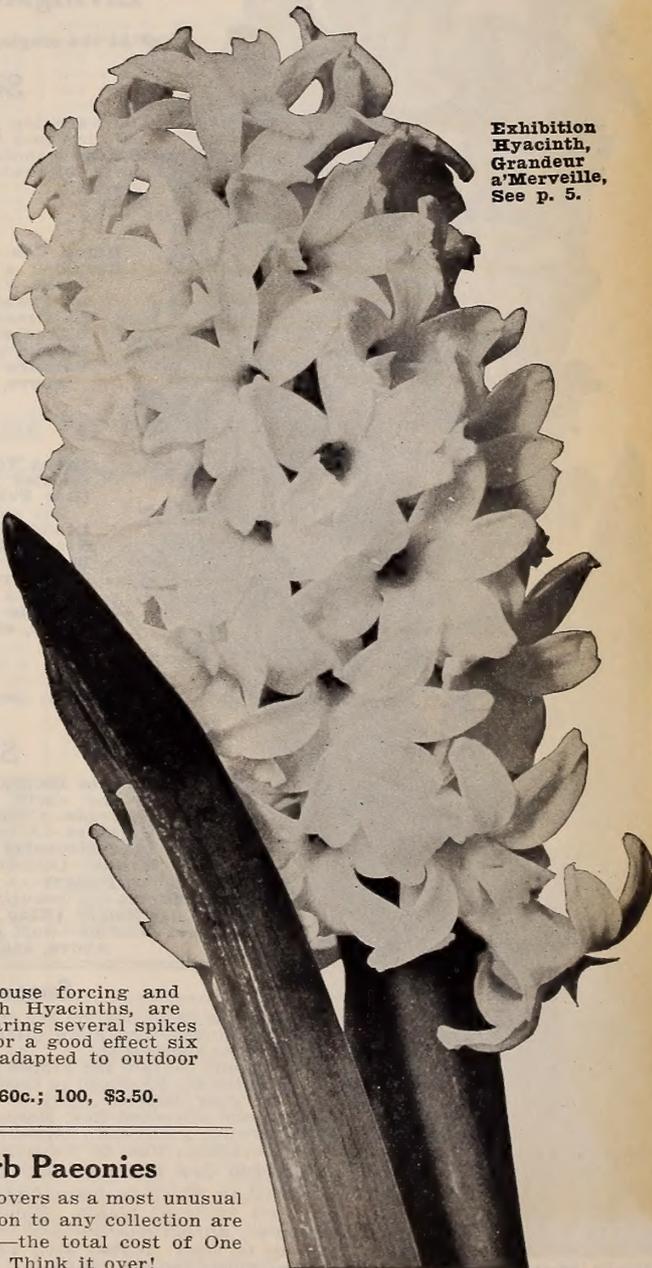
### Mixed Double-Flowering Sorts in Separate Colors

Dark Red Shades Mixed.....	6c	70c	\$4 25
Rose and Pink Shades Mixed.....	6c	70c	4 25
Pure White Sorts Mixed.....	6c	70c	4 25
Blush and Tinted White Sorts Mixed	6c	70c	4 25
Dark Blue and Purple Shades Mixed	6c	70c	4 25
Light Blue and Lavender Shades Mixed	6c	70c	4 25
Blue, all Shades Mixed.....	6c	70c	4 25
Yellow, all Shades Mixed.....	6c	70c	4 25
Mixed, all the above colors.....	6c	70c	4 00

### Early Roman Hyacinths

Roman Hyacinths are especially adapted for greenhouse forcing and house culture. The flowers, while similar to the Dutch Hyacinths, are smaller, but produced in greater abundance, each bulb bearing several spikes of the most delicate and deliciously fragrant flowers. For a good effect six bulbs should be planted in a 6-inch pot or pan. Not adapted to outdoor planting.

**Early White**—The pure white early. Each, 6c.; doz., 60c.; 100, \$3.50.



Exhibition  
Hyacinth,  
Grandeur  
a'Merveille,  
See p. 5.

### Our Dollar Collection of Four Superb Paeonies

as offered on second cover page will appeal to all Paeony lovers as a most unusual bargain. Best sorts only that would be a valuable addition to any collection are included, and even if you already have one or the other—the total cost of One Dollar buys 4 roots which usually sell at 50 cents each. Think it over!

# Livingston's Exhibition Hyacinths

The Most Perfect Flowers—The Finest Bulbs—The Largest Spikes

These Hyacinths are "extra" in every sense. Each variety has been especially selected because of the perfect form, large size and distinct and superb coloring of its flowers. Our Dutch growers have carefully sorted from their entire crops the largest and most perfect bulbs of each of these ten best varieties for our exhibition bulbs. For growing in pots or glasses they are superlatively fine, and we unreservedly recommend them to everyone who wants absolutely the best and desires to grow flowers superior to all others, either as a matter of pride and pleasure or for exhibition purposes.

## Single Sorts

**Gertrude**—Exquisite bright pink; very large, compact; upright spike; extra fine, early.

**Grandeur a'Merveille**—White, delicately shaded rose; large spike; very beautiful.

**Grand Maitre**—Lavender blue with darker blue shading. Large, handsome spikes.

**Johan**—New; exquisite silvery lavender, tinted with soft rose; good spike; mammoth bells.

**King of the Blues**—Deep royal purple; superb spike.

**King of the Yellows**—Pure golden yellow; tall, handsome spike; large bells; very fine.

## Double Sorts

**L'Innocence**—Fine pure white with large bells, massive spikes.

**Roi des Belges**—Deep, rich crimson; handsome truss.

**General Antink**—Porcelain blue, with darker center. Good truss and fine bells.

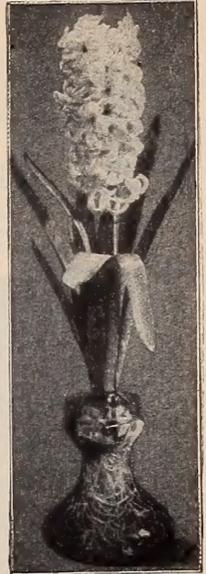
**La Tour d'Auvergne**—Earliest pure white. Fine tall spikes, well filled with large bells.

**President Roosevelt**—Fine new sort of rich, deep rose color; magnificent spike and bells.

**PRICE OF EXHIBITION HYACINTHS**—15c. each; \$1.50 dozen. 3 of one color at dozen rates.

## Collection No. 10.

One each of the above Exhibition Hyacinths delivered free in the United States for \$1.25.



Hyacinth in Glass.

## Feathered Hyacinths

These curious and pretty little Hyacinths produce graceful, plume-like spikes from 9 to 12 in. high. Hardy. Early-flowering. Violet. Dozen, 25c.; 100, \$1.25, postpaid; 1000, \$10.00, by express.

## Grape Hyacinths

A charming class of perfectly hardy little plants, producing their delicately fragrant bloom similar to a Lily of the Valley. The bulbs should be planted in groups of a dozen or more, and will soon spread. Splendid for partially shaded places. They are so inexpensive that they may be grown in masses, when they produce the best effects. May also be grown in pots during the winter, using half a dozen bulbs in a 5-inch pot.

**Blue Grape Hyacinths**, doz., 12c.; 100, 75c., postpaid. **White Grape Hyacinths**, doz., 20c.; 100, \$1.00, postpaid.

## Three Special Hyacinth Collections

(All sorts are of our own selection)

### Special No. 1

6 Superb Dutch Hyacinths especially adapted for growing in water. All are named varieties of distinctly different colors. Set of 6 bulbs, 50c., postpaid.

### Special No. 3

6 Superb Single-Flowering Hyacinths, all different colors, selected for growing in pots, postpaid, for only 50c.

### Special No. 2

10 Splendid Dutch Hyacinths, selected as especially desirable for pot culture, including both single and double; all of distinctly different shades of color. Sure to produce large spikes of beautiful flowers and give the greatest measure of satisfaction for winter blooming in pots.

1 delicate pink, 1 snow white, 1 single porcelain blue, 1 finest dark blue, 1 bright scarlet, 1 pure white, 1 double light blue, 1 rich red, 1 pure white, 1 double light blue, 1 rich red, 1 elegant yellow, 1 double blush white.

Set of 10 bulbs, 75c., postpaid.

## Hyacinth Glasses

Tall, in assorted colors. Each, 15c.; doz., \$1.50.

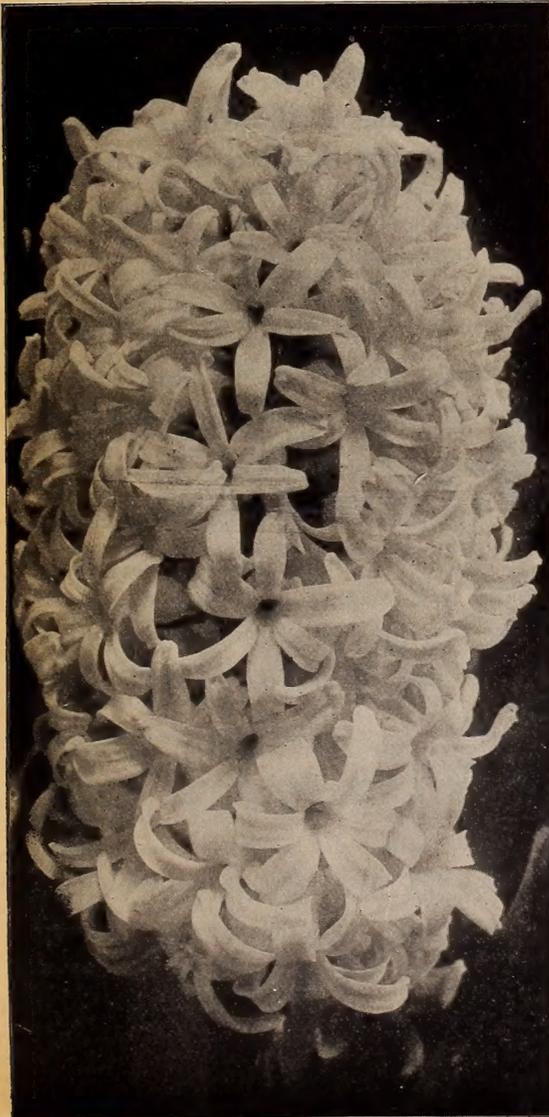
Squat, or Tye Shaped, 15c. each; \$1.50 per doz. (See illustration above.)

## Bulb Pans

These are made of same materials as our Flower Pots. Are especially desirable for planting several bulbs in each so as to form a clump.

Size	Each	Doz.	Size	Each	Doz.
6-inch	8	\$0 80	10-inch	20	\$2 00
7-inch	10	1 00	12-inch	35	3 50
8-inch	12	1 20	14-inch	60	6 00
9-inch	15	1 50			

Hyacinth Glasses and Bulb Pans are sent by express at customers expense.



Exhibition Hyacinth "Gertrude."

## Livingston's Selected Tulips



HE Tulip easily takes first place among our spring flowers. There is no bulb which, with so little outlay of care and cost, will give such gorgeous results as the Tulip. Their earliness of bloom, variety of form, wealth of color, intense brilliancy and beautiful shadings, together with their ease of culture and low price, all tend to make the Tulip the most popular of all spring flowering bulbs.

Tulips require the same treatment as Hyacinths, except that they should be planted about 4 inches apart. In our description we give the average height of the flowers, as well as the color, so that in selecting bulbs for a bed, varieties producing a harmonious result may be ordered.

Tulips may be left undisturbed in the ground for several years and will produce good flowers every spring. To make certain, however, that none have rotted or been eaten by the worms, it is an excellent plan to dig them up every second season in the autumn, and replant, replacing missing bulbs with new ones.

To have a bed which will be continuously brilliant from the earliest days of spring, plant Scilla Siberica, Snowdrops and Crocus, between rows of Single and Double Tulips. The Snowdrops will bloom first, to be quickly followed by the Crocus and Scilla. When they are over, the Tulips come into bloom, the double ones lasting longest. Tulips bloom finely in the house. Plant 10 to 12 bulbs in a bulb pan; water well, and put in a dark, cool cellar, covering with six inches of coal ashes. In about ten weeks the bulbs will be rooted, when they can be brought near the light and heat to bloom.

At the single and dozen rates we send all Tulips by mail, postpaid. At the 100 rates, and over (unless otherwise priced), the bulbs are sent by express or freight, customers paying charges.

### Selected Single Tulips

#### Early-Flowering Named Varieties

We especially recommend the single-flowering varieties as giving the most uniform and satisfactory results, both for growing in pots in the house or bedding in the garden. The named varieties should always be used when special designs in colors are desired. Prefixed figures indicate the average height in inches of each variety.

At the single and dozen rates we send all Tulips by mail, postpaid. At the 100 rates and over, the bulbs are sent by express or freight, customer paying charges.

### The Most Gorgeous of All Bedding Tulips

#### Keizerskroon (Emperor's Crown)

(See illustration)

Without doubt the grandest and showiest Single Tulip in cultivation. We firmly believe that one-third of all the tulips planted in this country every year are Keizerskroon. The immense flowers are borne erectly on stiff stems, about 15 inches tall. Their color is a rich, brilliant scarlet, each petal being broadly edged with golden yellow. A most beautiful and effective sort, well suited for creating showy borders and beds. Keizerskroon forces well, and the cut flowers last a long time. Each, 4c.; doz., 35c.; 100, \$1.75.

8 **Adelina Patti**—Rosy crimson; a grand sort. Each, 5c.; doz., 45c.; 100, \$3.00.

12 **Albion (White Hawk)**—A very large snow white tulip. Each, 5c.; doz., 40c.; 100, \$2.50.

8 **Artus**—Bright scarlet; very fine for forcing or bedding. Each, 3c.; doz., 30c.; 100, \$1.50.

10 **Belle Alliance**—Brilliant deep scarlet; grand for beds or pot culture. Each, 5c.; doz., 45c.; 100, \$3.00.

10 **Canary Bird**—Golden yellow. Each, 3c.; doz., 25c.; 100, \$1.25.

10 **Chrysolora**—Pure golden yellow; large and elegant flower; fine for beds. Each, 3c.; doz., 25c.; 100, \$1.25.

8 **Cottage Maid**—Beautiful rose, flushed white. Each, 3c.; doz., 30c.; 100, \$1.50.

10 **Couleur de Cardinal**—Scarlet. Each, 5c.; doz., 45c.; 100, 2.75.

9 **Cramoisie Brilliant**—Brilliant scarlet; fine for pot culture; a large bloom. Each, 4c.; doz., 35c.; 100, \$1.75.

7 **Crimson King**—Bright crimson scarlet; large. Each, 3c.; doz., 30c.; 100, \$1.50.

9 **Duchess de Parma**—Bright orange-scarlet, bordered yellow; very attractive; large. Each, 3c.; doz., 30c.; 100, \$1.50.

7 **Grand Master of Malta**—Dark red, white border. Each, 5c.; doz., 45c.; 100, \$2.75.

9 **L'Immaculee**—Pure white; very early; fine. Each, 3c.; doz., 25c.; 100, \$1.25.

10 **La Reine**—Pure white, tinted with pale rose; fine for forcing. Each, 3c.; doz., 25c.; 100, 1.25.

10 **Mon Tresor**—Elegant large yellow; earliest and best for forcing. Each, 4c.; doz., 35c.; 100, \$1.75.

9 **Ophir d'Or**—Largest deep pure yellow; fine for beds. Each, 3c.; doz., 30c.; 100, \$1.50. 12 **Pottebakker Scarlet**—Very large glowing scarlet; splendid bedder. Each, 5c.; doz., 45c.; 100, \$2.75.

12 **Pottebakker White**—One of the finest white Tulips for the garden; has a large flower and is very early. Each, 4c.; doz., 35c.; 100, \$2.00.

10 **Proserpine**—Carmine-rose; glossy; beautiful flower. Each, 6c.; doz., 50c.; 100, \$3.50.

9 **Rachel Buijsch**—Rose; extra fine. Each, 3c.; doz., 30c.; 100, \$1.50.

10 **Rembrandt**—Superb scarlet; very early flowering. Each, 6c.; doz., 50c.; 100, \$3.50.

6 **Rose Grisdelin**—Most delicate pink; one of the finest Tulips in cultivation; grand. Each, 4c.; doz., 35c.; 100, \$1.50.

9 **Silver Standard**—Pure white feathered with cherry-crimson; fine for bedding. Each, 5c.; doz., 40c.; 100, \$2.50.

10 **Vermilion Brilliant**—Richest scarlet; very showy. Each, 5c.; doz., 45c.; 100, \$3.00.

12 **Yellow Prince**—Large; bright yellow; very sweet scented; fine for pot culture. Each, 3c.; doz., 25c.; 100, \$1.25.

Keizerskroon Tulips.

"Perfection" Tulip Collection Consisting of one each of the 28 above-named Selected Single Tulips, only 85c., postpaid.

## Duc van Tholl Tulips

These Tulips are single-flowering and very early. Especially desirable for shallow fern dishes or small pots. Are very graceful, not growing over 7 inches in height. May easily be had in bloom by Christmas.

	Each	Doz.	100		Each	Doz.	100
Gold Striped	3c	30c	\$1 50	Scarlet	4c	40c	\$2 25
Orange	4c	35c	1 75	White	4c	35c	2 00
Red and Yellow	4c	35c	1 75	Yellow	5c	45c	2 75
Rose	5c	45c	2 75	Extra Fine Mixed	4c	35c	2 00

**Earliest Tulip Collection** Consisting of two each of the above Duc van Tholl Tulips (14 bulbs in all), 45c., postpaid.

## Late or May-Flowering Tulips

These elegant single-flowering Tulips bloom very late and thereby extend the flowering season until well into May; in fact, are extensively used for decorating on Memorial Day. Splendid for permanent border, as they are absolutely hardy. Fine for cut-flowers also, the stems being long.

**Bizarres**—Ground color yellow, striped and feathered with crimson brown or violet; very striking and a most desirable class. **Finest Mixed**—Each, 3c.; doz., 30c.; 100, \$1.50.

**Bouton d'Or (Golden Beauty)**—Rich golden yellow; large and fine. Each, 4c.; doz., 35c.

**Eyblooms, Finest Mixed**—Ground color white, striped and variegated with rose and violet shades. Each, 3c.; doz., 30c.; 100, \$1.50.

**Caledonia**—Brilliant scarlet. Each, 4c.; doz., 35c.

**Elegans Scarlet**—Finest crimson. Each, 4c.; doz., 35c.

**Gesneriana Spathulata Major**—This is certainly a

grand Tulip—immense blooms of dazzling crimson-scarlet, with vivid blue-black center. It is simply an impossibility to describe the elegance of this Tulip. A gem for bedding, and for growing for cut-flowers is unsurpassed. This splendid Tulip should be planted in generous quantities. Each, 4c.; doz., 35c.; 100, \$1.75.

### Golden Crown (See illustration)

Pointed yellow petals edged with crimson. Each, 3c.; doz., 25c.

**Isabella**—Also called Blushing Bride or York and Lancaster. Creamy turning carmine rose. Each, 4c.; doz., 35c.; 100, \$1.75.

**Koningskroon**—Red and yellow. Very showy for beds and borders. Each, 4c.; doz., 40c.; 100, \$2.00.

**La Candeur (White Queen)**—White turning to rose. A very fine tulip. Each, 4c.; doz., 35c.

**La Merveille**—Orange salmon, overlaid with orange red. Fragrant. Each, 4c.; doz., 35c.

**La Nigrette**—Almost black. Fine in contrast with light sorts. Each, 4c.; doz., 35c.

### Maiden Blush (Picotee) (See illustration)

Pure white, daintily margined with rose, turning to a bright pale crimson. Each, 4c.; doz., 35c.; 100, \$1.75.

**Parisian Yellow**—A clear yellow of exquisite shape. Each, 4c.; doz., 35c.

**Rose Mignon**—Creamy white and rose. Each, 4c.; doz., 35c.

## Darwin Tulips

This is a comparatively new race of immense May-flowering Tulips, producing large globular flowers on stiff stems about two feet high. Their colors are rich and brilliant, including every shade and tint known among Tulips.

**Asa Gray**—Deep carmine; very showy. Each, 6c.; doz., 50c.

**Circe**—Soft heliotrope lilac; one of the prettiest among the delicately shaded sorts. Each, 6c.; doz., 50c.

**Europe (Salmon King)**—Bright carmine scarlet with white center; very brilliant. Each, 7c.; doz., 60c.

**Glory**—Glowing red; a fine sort. Each, 6c.; doz., 50c.

**Gretchen**—Large, globular flowers of bold form are carried on strong, 24-inch stems. Petals are soft blush outside, shading to blush rose inside of flower. A beauty. Each, 5c.; doz., 40c.

**McIntosh**—Brilliant rose; beautiful. Each, 6c.; doz., 50c.

**Madame Krelage**—Purplish-rose, broadly margined with blush-pink; white base; a grand variety. Each, 7c.; doz., 60c.

**Nauticus**—Pinkish red; fine sort. Each, 7c.; doz., 60c.

**Negro**—Very dark purplish brown; most effectful in connection with lighter sorts. Each, 6c.; doz., 50c.

**Pride of Haarlem** (See illustration on page 8)—Brilliant deep salmon rose shaded with blue at base; flowers of immense size and beautiful form. Each, 7c.; doz., 60c.

**Wedding Veil**—White, shaded lilac; very delicate texture. Each, 6c.; doz., 50c.

All sorts in Splendid Mixture, 3c. each; 30c. per doz.; \$1.50 per 100.

### Glory of Holland Mixture of May-Flowering or Cottage Tulips

This magnificent collection contains the most gorgeous assortment of beautiful tulips it is possible to produce. They are exquisitely marked, edged, splashed and feathered with various rare and beautiful combinations of color, which include every tint and shade of Royal Purple, Yellow Orange, Violet, Lavender, Rose, Crimson, Scarlet, Azure Blue, Shell Pink, etc. They are especially valuable for hardy gardens and borders where they may remain undisturbed. Grand for cut-flowers. Price, each, 4c.; 35c. doz.; \$2.00 per 100.

Our Front Cover Illustration shows Gesneriana Spathulata, "Maidenblush" and "Isabella" Cottage Tulips. To distribute these 3 grand varieties as widely as possible, we offer them in Collection, 4 of each kind, 12 in all, at 30c., postpaid.

Golden Crown and Maiden's Blush Tulips.





Darwin Tulip, "Fride of Haarlem."

## Best Named Double Tulips

The Double Tulips are robust growers and very effective in beds, borders, or clumps planted among the shrubbery. The blooms are large and of the most brilliantly varied colors and shades. Lasting much longer in bloom than the single varieties, they prolong the tulip season. The figures prefixed indicate the average height in inches of each variety. At the single and dozen rates we send all Tulips by mail, postpaid. At the 100 rates and over, the bulbs are sent by express or freight, customer paying charges.

7	<b>Count Leicester</b> —Orange and yellow; splendid	Each	Doz.	100					
			3c	25c	\$1	25			
10	<b>Couronne d'Or</b> —The finest double yellow sort for forcing or pot culture; large, strong blooms		5c	40c	2	50			
9	<b>Duke of York</b> —Carmine-rose, edged with white		3c	25c	1	25			
9	<b>Gloria Solis</b> —Red, bordered with gold; fine		4c	35c	2	25			
8	<b>Imperator Rubrorum</b> —Rich, glowing scarlet		5c	45c	2	75			
8	<b>La Candeur</b> —Very large flower; pure white		4c	35c	1	75			
9	<b>Le Blason</b> —Blush-white, tinged with rose		4c	35c	2	00			
6	<b>Murillo</b> —Superb blush-white, shading to soft pink; fine for pot culture		4c	35c	1	75			
8	<b>Bex Rubrorum</b> —Bright scarlet; fine, rich flower	Each	Doz.	100					
			5c	40c	\$2	50			
8	<b>Rose Blanche</b> —One of the best pure white		3c	30c	1	50			
8	<b>Rose Crown</b> —Dark carmine; early flowering		3c	30c	1	50			
7	<b>Salvator Rose</b> —White, flamed with deep rose; elegant flower; fine for pots		4c	35c	2	00			
8	<b>Tournesol</b> —Red, bordered yellow; large and showy		5c	45c	3	00			
8	<b>Tournesol Yellow</b> —Deep yellow, shaded orange		5c	45c	2	75			
10	<b>Yellow Rose</b> —Pure golden yellow; a superb sweet-scented tulip; very large		3c	25c	1	25			

## Parrot or Dragon Tulips

Very picturesque and attractive. Their blooms are of large size and most vividly brilliant, and, in addition to red and yellow, combine many shades of green. Especially suited for bedding, as they flower just between the early and late Tulips, thus prolonging the season. As cut-flowers they last a long time, and certainly deserve to be planted in quantity by lovers of bulb flowers. The petals are curiously fringed or cut. Their unique colorings, immense size and odd forms make them the most striking of all Tulips.

**Admiral de Constantinople**—(See illustration.) Red flowers, tipped orange.

**Lutea Major**—Very large bright yellow.

**Perfect**—Yellow striped with red. One of the showiest.

**Gloriosa**—Beautifully striped. Very effective.

Price of any of above named Parrot Tulips, 4c. each; 35c. per doz.; \$2.00 per 100.

Mixed Parrot Tulips, all colors, 3c. each; 25c. per doz.; \$1.25 per 100.

## Livingston's Selected Mixed Tulips

We especially recommend our Selected Single and Double Mixed Tulips. The mixtures are made up by ourselves from our selected named varieties and contain only large, fine bulbs of the most brilliant and desirable kinds, and are in every way superior to the ordinary mixtures often made up of surplus bulbs without regard to bedding effect. Our selected mixtures have a proper proportion of all the colors, will bloom at the same time and are of about the same height. When planted in large masses, they make a magnificent show, brilliant and effective in extreme.

**Selected Single Early Mixed Tulips**—Dozen, 30c.; 100, \$1.75, by mail, postpaid. By express, customer paying charges: Dozen, 25c.; 100 for \$1.50; 1000 for \$12.00. 250 at 1000 rate.

**Selected Double Early Mixed Tulips**—Dozen, 30c.; 100, \$2.00, by mail, postpaid. By express, customer paying charges: Dozen, 25c.; 100 for \$1.50; 1000 for \$12.00. 250 at 1000 rates.

**Good Single Early Mixed Tulips**—Dozen, 25c.; 100, \$1.50, postpaid. By express, purchaser paying charges: Dozen, 20c.; 100 for \$1.25; 1000 for \$10.00. 250 at 1000 rates.

**Good Double Early Mixed Tulips**—Dozen, 25c.; 100, \$1.75, postpaid. By express, purchaser paying charges: Dozen, 20c.; 100 for \$1.25; 1000 for \$10.00. 250 at 1000 rate.



Parrot Tulip, Admiral de Constantinople.



## Narcissus or Daffodil



One flower of the whole bulb family is more popular than the beautiful and fragrant Narcissus. They are perfectly hardy, except the Polyanthus varieties; and even these, with a good thick covering of leaves or coarse litter to exclude the frost, will give most elegant flowers when grown in the garden. Once planted, Narcissus need no further attention, steadily increasing in strength and beauty as the years pass, the clumps multiplying very rapidly, until flowers without number can be gathered. They are simply grand. Narcissus do well in every kind of soil, in sun or shade, in moist or dry places, under trees or amongst grass anywhere. For house culture nothing is finer, needing practically the same treatment as the Hyacinths. In endless variety of shapes and shades, they may be had in bloom the entire bulb season. At the single and dozen rates we send all Narcissus bulbs by mail, postpaid. At the 100 rates, the bulbs are sent by express or freight, customer paying charges.

### Single-Flowering Narcissus (Single Daffodils)

#### Emperor

(See Illustration on Back Cover of Catalogue)

Most beautiful sort, large flowers. Primrose petals, brilliant yellow trumpet. Of strong, stately habit. Excellent for bouquets. Each, 5c.; doz., 40c.; 100, \$2.25.

**Bulbocodium (Hoop Petticoat)**—Rich golden yellow; dwarf; fine for edgings. Each, 7c.; doz., 75c.

**Golden Spur**—Large, richly perfumed, bold, golden yellow flowers. Each, 5c.; doz., 40c.; 100, \$2.25.

#### Victoria

(See Illustration on Back Cover of Catalogue)

New. Large durable flowers; broad, creamy-white perianth; rich yellow, fluted trumpet; 18 inches high; very fine. Each, 5c.; doz., 45c.; 100, \$2.50.

**Barri Conspicuus**—Very large bloom; beautiful sulphur-yellow, with spreading cup of deep orange, richly stained with scarlet; magnificent. Each, 3c.; doz., 30c.; 100, \$1.50.

#### Poeticus Ornatus

A dainty little beauty, widely grown and greatly admired. Excellent for naturalizing along walks, in meadows, along brooks—anywhere. Fragrant white flowers, with crimson edged cups. Each, 3c.; doz., 25c.; 100, \$1.00; 1000, \$8.00.

**Princeps**—A magnificent flower, with light yellow petals and deep yellow trumpet. Each, 3c.; doz., 30c.

**Sir Watkin** (also known as **Giant Chalice Flower or Big Welshman**)—A gigantic flower of a rich primrose, with golden trumpet; fine for pots. Ea., 5c.; doz., 45c.

**Stella**—Large pure white star-shaped blooms, with yellow cup; early. Each, 3c.; doz., 25c.; 100, \$1.25.

#### Empress

Magnificent. White perianth, deep yellow trumpet. A very beautiful sort and a good companion to "Emperor." Each, 5c.; doz., 40c.; 100, \$2.25.

**Mary Magdaline de Graaff (Leedsii)**—New. Distinct and beautiful, broad, white perianth petals; widely expanded crown of primrose, suffused with orange. Each, 5c.; doz., 50c.

**Bicolor Grandis**—Large yellow trumpet, pure white petals; grand size; a late flowering sort. Each, 3c.; doz., 30c.; 100, \$1.50.

**Bicolor Horsfieldi**—Very similar to Empress, but blooms sooner. Rich yellow trumpet and pure white perianth. Each, 4c.; doz., 40c.



Narcissus Poeticus Ornatus, naturalized in the meadow.

### Special Offer

We will send one bulb each of the above 13 Splendid Single Narcissus for 50c. Three each of the 13 varieties for \$1.25, by mail, postpaid.

Mixed Single Narcissus, each, 4c.; dozen, 35c.; 100, \$1.75.

## Three Beautiful "Ajax" Narcissi, or Trumpet Daffodils

This class is famed for its graceful flowers which are unexcelled as cut-flowers and equally charming in the garden. The flowers are carried on long, stiff stems and last the best part of a week in water.



Madame Plemp.

### Madame Plemp (See Illustration)

The lovely flowers are borne late in the season on stems averaging 15 inches high. Large, pure white perianth and golden-yellow trumpet of fine substance make this sort one of the best of the "bicolor" daffodils. **Each, 10c.; doz., \$1.00, postpaid.**

### Henry Irving

An old, but deservedly popular sort which is equally well adapted to forcing, growing in pots or planting outdoors. It is among the earliest to bloom, has stems, 18 inches tall which carry flowers with broad yellow perianth and a large yellow trumpet. Should be in every collection. **Each, 5c.; doz., 50c., postpaid.**

### Mrs. Walter Ware

A fine mid-season variety, which has received honorable awards for the size and beauty of its magnificent flowers. Petals of the perianth are white and large; the long trumpets are well expanded and frilled at the brim. Blooms freely and grows vigorously. Stems average 16 inches. **Each, 5c.; doz., 50c., postpaid.**

### Leed's Crown Daffodil—Mrs. Langtry

A hybrid between the trumpet daffodils and the fragrant "Poeticus ornatus." Of delightful fragrance and charming form, Mrs. Langtry is one of the most popular of these silver-winged daffodils which are splendidly adapted to naturalizing. Bloom freely, with white cup and white perianth. Most bulbs of this sort bear two flowers. **Each, 3c.; doz., 30c., postpaid.**

### Double-Flowering Narcissus (Double Daffodils)

The Double-Flowering Daffodils have a peculiar charm of their own, and no garden is complete without them. Fine for house culture in pots. All are perfectly hardy outdoors.

**Alba Plena Odorata (Double Poet's Narcissus)**—Pure white, fragrant; does finely in moist and shady places. Cannot be forced. **Each, 3c.; doz., 25c.; 100, \$1.25.**

**Incomparable (Butter and Eggs)**—Orange and yellow; large; good in pots. **Each, 3c.; doz., 30c.; 100, \$1.50.**

**Orange Phoenix (Eggs and Bacon)**—Beautiful, double white, orange center. Fine for forcing or garden. **Each, 4c.; doz., 35c.**

**Sulphur or Silver Phoenix (Collins and Cream)**—Fine distinct sulphury white flowers; forcing or garden. **Each, 5c.; doz., 45c.**

### Von Sion

(See illustration below)—The famous "Old Double Dutch Daffodil." Large golden-yellow flowers, of fine form. Elegant for forcing and unexcelled for bedding. **Selected bulbs, each, 4c.; doz., 35c.; 100, \$2.00.**

**DOUBLE-NOSED VON SION**—Extra large bulbs, capable of producing 2 to 3 flowers each. **Each, 5c.; doz., 45c.; 100, \$2.75.**

**Special Offer** One bulb each first 5 different Double Narcissus above, 15c. Three each of the 5 varieties for 40c., postpaid.  
**Double Mixed Narcissus, each, 3c.; doz., 30c.; 100, \$1.50.**



Von Sion Daffodils.

## Polyanthus Narcissus (Nosegay Daffodils)

Beautiful, delightfully fragrant flowers of the easiest culture, bearing tall spikes of bloom with 6 to 20 flowers each. Suitable for house culture in earth or water. Not so hardy as Double and Single Daffodils—protect well if planted in a garden.

**Gloriosa**—Large, pure white, with deep orange cup; distinct, fine; early flowering. **Each, 5c.; doz., 50c.**

**Grand Monarque**—Pure white, with primrose-yellow cup; large flowered; very fine variety. **Each, 5c.; doz., 50c.**

**Grand Primo**—Pure white, with lemon-yellow cup; fine for cut-flowers. **Each, 5c.; doz., 50c.**

**Staten Generaal**—One of the earliest. Large, bold white flowers with lemon-yellow cup. Elegant sort for cutting. **Each, 5c.; doz., 50c.**

**SPECIAL OFFER**—One bulb each of above 7 Superb Polyanthus Narcissus for 25c. Three each of the 7 varieties for 70c., by mail, postpaid.

**Grand Soleil d'Or**—A charming rich yellow flower, with deep orange cup; noted free bloomer. **Each, 5c.; doz., 50c.**

**Jaune Supreme**—Beautiful primrose-yellow, with orange cup; a very choice sort. **Each, 5c.; doz., 50c.**

**Paper White**—Pure white, fragrant flowers. **Each, 3c.; doz., 30c.; 100, \$1.50.**

## Jonquils (Narcissus Jonquilla)

Easily grown, small-flowering Daffodils, with graceful golden-yellow flowers of delightful fragrance. They thrive equally well in pots or outdoors and make a fine display as cut-flowers in vases.

**Single Jonquils**—Rich golden-yellow; fragrant; fine for pots or garden. **2 for 5c.; doz., 15c.; 2 doz., 20c.; 100, 85c.**

**Double Jonquils**—Full double; deep golden-yellow; very sweet scented. **Each, 3c.; doz., 25c.**

**Campernelle**—Blooms very large and rich yellow in color; deliciously fragrant. **2 for 5c.; doz., 15c.; 100, \$1.00.**

**Campernelle Bugulosus**—This is a giant form of the above; very fine. **Each, 3c.; doz., 25c.; 100, \$1.25.**

**Special Offer** 6 each of the above 4 varieties of Jonquils, 24 bulbs in all, 35c., by mail, postpaid.



Paper White Narcissus.



Nosegay Daffodils or Polyanthus Narcissus.

## Chinese Sacred Lily

(Narcissus Orientalis)

Joss Flower, or Flower of the Gods.

A Narcissus of the Polyanthus type, grown largely in China for the decoration of the temples (joss houses) on New Year's Day. The lilies are mostly grown in bowls with water, with enough stones, etc., around to prevent the bulbs from toppling over. They make a growth similar to that of Paper White Narcissus, illustrated on this page. The bulbs, however, as well as the plants, are much larger.

In 4 to 6 weeks' time they produce a profusion of creamy-white flowers with golden-yellow cups, borne in clusters. Begin planting about October 1, and for succession every week until Christmas. **Price, by mail, prepaid, each, 15c.; 2 for 25c.; doz., \$1.25.**

## Giant Flowering

## Paper White Narcissus (See Illustration)

Easily Grown.

Of Exquisite Fragrance.

Sure to Grow and Bear Flowers.

Of all bulbs for winter blooming indoors, none compare with the Giant-Flowering Paper White Narcissus in desirable qualities. It is the easiest to bloom producing in six weeks' time giant clusters of pure white, exquisitely scented flowers. By a succession of plantings, continuous flowers may be had from November until March. It may be grown in pots of soil; give the bulbs an abundance of water, allowing it to stand in the saucer all the time. When grown in water, put the bulbs in a shallow glass or china bowl and place enough fancy pebbles and shells around them to prevent them from toppling over when full grown. **4 for 15c.; doz., 35c., postpaid. By express, purchaser paying charges, \$2.00 per 100.**

## Crocuses

Among our earliest spring flowers, Crocuses occupy a prominent place. Hardly has snow left the ground when out of the grass and shrubbery peep these strikingly pretty favorites. Planted in large groups of distinct colors or scattered at random through the lawn, they please by their modesty and lend a touch of color and cheer to the otherwise dreary landscape.

While Crocuses may be grown with equal success in pots, pans or boxes, they produce by far the most striking effects amidst natural surroundings. Out there, in the lawn, they please the eye most with their charming variety of colors. They are very easily established, and their cost is so trifling that even modest purses can afford liberal plantings. Insert them in the lawn, making a small opening with a trowel. For indoor blooming, plant 6 or 8 bulbs in a 6-inch pot. Crocuses are absolutely hardy, and will live in the open ground for years.

### Mammoth-Flowering Named Crocuses

Named varieties are prolific bloomers, producing several blooms from a single bulb.

At the dozen and 100 rates we send Crocuses by mail, postpaid. At the 1000 rates, we send by express or freight, the customer paying charges.

Price—All named sorts at the uniform price of 15c. per doz.; 70c. per 100; \$5.50 per 1000, except where noted.

**Albion**—Dark purple, striped white; extra large, fine flower.

**Baron von Brunow**—Very large; deep, rich purple.

**Cloth of Gold**—Deep golden yellow, striped with bronze.

**Cloth of Silver**—Silvery white, striped lilac; fine sort.

**Mammoth White**—Large, pure white; extra fine. 15c. per doz.; 80c. per 100; \$7.00 per 1000.

**Mammoth Yellow**—Golden yellow; mammoth bulbs; free flowering. 15c. per doz.; 80c. per 100; \$7.00 per 1000.

**Purpurea grandiflora**—One of the finest purple sorts. Large flowering, showy and free blooming.

**Sir Walter Scott**—Extra large; white, purple striped.

**MAMMOTH MIXED CROCUSES**—Above elegant named varieties, in finest mixture, all named sorts, at the uniform rate of 15c. per doz.; 80c. per 100; \$7.00 per 1000.



Mammoth Flowering Crocuses.

**Prince Albert**—Light purple; fine large flower.

**Madame Mina**—White, striped lavender blue.

**Queen Victoria**—Purest white; very large; free bloomer.

## Crocuses in Separate Colors

Our mixtures are composed of fine, large and healthy bulbs. Price, for all mixtures, 10c. per doz.; 50c. per 100; \$4.50 per 1000.

Blue and Purple Shades, Mixed; Striped and Variegated Sorts, Mixed; White Varieties, Mixed; Golden Yellow, good bulbs. All Colors, Mixed.



New Freesia "Purity."

## Freesias

Bulbs Ready for Delivery in August.

One of the most popular and charming bulbs we offer for pot culture in the home or conservatory. Splendid for cut-flowers, their delicious fragrance filling the whole house. Six or eight bulbs should be planted in a 5-inch pot. They will force very easily, and if planted early can be had in bloom by Christmas. By having a dozen or more pots, and bringing them in the window garden at intervals, a continuous display of bloom throughout the winter and spring may be easily maintained. **While rooting Freesias, keep in a cool, light place;** they should not be put in the dark like most other bulbs. The flowers are generally produced on stems about 9 inches long, and are very useful for cutting, remaining in good condition a very long time.

**Refracta Alba**—Flowers pure white with yellow throat; exquisitely fragrant. **Mammoth Bulbs**—2 for 5c.; doz., 25c.; 100, \$1.50. **First Size Bulbs**—3 for 5c.; doz., 15c.; 100, \$1.00.

### New Freesia Purity

This grand new Freesia is without doubt the largest, finest and purest white variety in existence. It produces from 6 to 12 enormous snowy white flowers on stems from 20 to 30 inches high. **Mammoth Bulbs**—Each, 6c.; doz., 50c.; 100, \$3.50.

**First size**—Each, 4c.; doz., 35c.; 100, \$2.75.

**Second size**—Each, 3c.; doz., 25c.; 100, \$2.00.

All Freesia bulbs sent by mail, postpaid.

### WHY NOT BUY A BULB COLLECTION?

We call special attention to the collections offered on pages 16-17. They are made up by us to make the buying of bulbs easy. Only sorts of value are included, and the individual bulbs are first-class in every respect.



Bermuda Easter Lily.

### Lilium Candidum (Annunciation or Madonna Lily)

The beautiful and well-known hardy garden Lily. Its blooms are snow white and deliciously fragrant. Single stalks bear from 5 to 20 flowers. Plant early in autumn, so that it may make all the growth possible before freezing weather. Blooms from May to July; height, 4 feet; good for forcing. **Each, 15c.; 2 for 25c.; doz., \$1.50.**

**Elegans (Umbellatum)**—Erect flowers, borne in clusters; some of the hardiest and easiest grown varieties are included in this class; very rich colors, in hues of red and yellow; blooms in June; height, 2 feet. **Each, 15c.; 2 for 25c.; doz., \$1.50.**

**Longiflorum**—Snow white; fragrant; long trumpet-shaped flowers; blooms later than the Harrisii; splendid for growing in pots for Easter; in the garden it blooms in June; it is quite hardy. **Each, 15c.; 2 for 25c.; doz., \$1.50.**

**Tenuifolium (Coral Lily)**—Blooms in May; bears in abundance perfectly formed medium sized flowers of a dazzling orange-scarlet; height, 2 feet; perfectly hardy. **Each, 20c.; 2 for 35c.; doz., \$2.00.**

**Tigrinum Flore Pleno (Double-Flowering Tiger Lily)**—The favorite Tiger Lily; hardy anywhere; beautiful orange-red flowers spotted with black; very double; blooms in August; about 4 feet high. **Each, 15c.; 2 for 25c.; doz., \$1.50.**

### The Four Best Japanese Lilies

The following Lilies come from Japan and do not reach this country before end of November. Orders for these bulbs are filled immediately upon their arrival. If there is danger that the ground will be frozen before they arrive, prepare the bed in the early fall, digging to depth of at least one foot, and about November 1 cover with from 6 to 10 inches of stable manure, leaves or other mulch. This will prevent the bed from freezing.

**Auratum (Golden-Eyed Lily of Japan)**—(See illustration alongside)—Flowers are very large, graceful and fragrant; pure white in color, thickly studded with chocolate-crimson spots, and a golden band running through the center of each petal; perfectly hardy; height, 3 to 5 feet. **First Size Bulbs, each, 15c.; doz., \$1.50. Mammoth Bulbs, each, 25c.; doz., \$2.50.**

**Speciosum Rubrum, or Roseum**—Pure white, heavily shaded and spotted rosy-crimson; very fragrant. **Each, 15c.; 2 for 25c.; doz., \$1.50.**

**Speciosum Melpomene**—The pure white flowers are spotted and shaded with rich blood-crimson; hardy. **Each, 15c.; 2 for 25c.; doz., \$2.00.**

**Speciosum Album**—Large, fragrant, pure white, flowers, with a greenish band running through the center of each petal; height, 3 to 4 feet; bloom at midsummer. **Each, 20c.; 2 for 35c.; doz., \$2.00.**

## Lilies (Liliums)



LILIES deserve first place among hardy bulbous plants. Their stately habit, beautiful form and coloring and in some cases exquisite fragrance is equaled by very few other classes of plants. While they are nearly all hardy, we recommend a slight covering with ashes or litter during the winter.

Lilies will thrive in most any soil, though a light, well-drained soil suits most of them best. *L. candidum* and *L. tigrinum* prefer a rich, loamy soil, while *L. auratum* thrives to perfection in ordinary light soil. An ideal place to plant lilies is the hardy border. Here they find the correct conditions essential to best development, and the shade of surrounding shrubbery affords beneficial protection. For pot culture, use a mixture of loam, peat and sand. Plant bulbs in small pots, shifting them into larger ones as plants get bigger.

### About Delivery of Lily Bulbs

*L. Candidum* and *L. Harrisii* arrive in this country in August, when they are ready for shipment. The Japanese varieties are not ready until November. The beds for them should be prepared during the fall and covered with litter to prevent freezing. All other sorts are ready for mailing during September. Plant all Lily bulbs as soon as you get them.

At the single and dozen rates we send all Lilies by mail, postpaid. At 100 rates and over, bulbs are sent by express or freight, customers paying charges, unless otherwise stated.

### Lilium Harrisii (Bermuda Easter Lily)

(See illustration alongside.) This grand Lily is without question the best for greenhouse forcing or winter blooming in pots in the house. The flowers are trumpet-shaped, pure waxy-white and exquisitely fragrant. The bulbs should be potted in the early fall, using a very rich soil, and kept in a cool dark place to get a strong root growth before the tops start. Height, about 3 feet. Our first size bulbs will bear from 6 to 12 flowers; smaller sizes 4 to 6. **Not hardy in our climate. Mammoth Bulbs, each, 35c.; doz., \$3.50. Medium Size Bulbs, each, 20c.; doz., \$2.00. Small Size Bulbs, each, 15c.; doz., \$1.50.**



## Miscellaneous Bulbs and Plants for Growing in Pots or Outdoors

### Allium Neapolitanum

Free-flowering, fragrant and beautiful winter-blooming plant, bearing large clusters of showy white flowers on stems 15 to 20 inches high. Blooms for a month or more. Plant 3 to 6 bulbs in a single pot. Of the easiest culture indoors and excellent for the garden, as they are very hardy. **Each, 2c.; doz., 20c.; 100, \$1.25.**

### Anemones (Wind Flowers)

Very beautiful spring-blooming plants of the brightest and handsomest colors. Anemones make fine pot plants for the window garden. They require some protection outdoors, although quite hardy, and will thrive in any garden soil, but are partial to shaded positions for the greater portion of the day.

**Single Mixed**—A great variety of colors. **Each, 2c.; doz., 20c.; 100, \$1.25, postpaid.**

**Double Mixed**—A fine assortment of colors. **Each, 3c.; doz., 25c.; 100, \$1.50.**

### Calla Lilies

Callas occupy a prominent place among our favorite house plants because they are so easily grown and give thorough satisfaction, even where they only receive moderate attention and nursing. For best results they should be planted in rich soil, and plenty of water during the growing period is essential to ideal development. Keep them dormant during the summer months. This may be done by gradually reducing the amount of water given them. Repot in good, rich soil by September 1; bring to the light, and give an abundance of water in a warm room. By following these suggestions, Callas will bloom satisfactorily the following winter. Bulbs are ready for shipment during September and October.

#### White Calla

(See illustration.) Will always be a favorite on account of its attractive, glossy green foliage and elegant, waxy-white flowers of good substance and lasting qualities. It is one of our best window plants during the winter months, is easily grown and sure to give satisfaction. **Each, 15c.; doz., \$1.50. Large size, each, 25c.; doz., \$2.50.**

**New Yellow Calla, Mrs. Roosevelt**—A beautiful flower of a soft primrose-yellow, equal in size to any yellow Calla in existence. The foliage is beautifully spotted with pure white. It is the best yellow variety to date. **Each, 50c.; doz., \$5.00.**



Field of Anemones.

**Golden Yellow Calla (Richardia Elliottiana)**—Most beautiful and rare species, with flowers of rich, clear golden yellow color. The shape and size of the flowers is the same as that of the White Calla, and the plant has the same habit of growth. But the foliage has creamy-white spots, which add immensely to the elegant appearance and beauty of the plants. **Each, 50c.; doz., \$5.00.**

**Perle von Stuttgart.** The New Snowy-white Prolific Calla—The flower is massive, perfect in shape, and of snowy whiteness; larger and purer than the common one. **Each, 25c.; 3 for 65c.; doz., \$2.50.**

**Spotted Calla**—Smaller than White Calla. Leaves a glossy deep green, with numerous white spots. **Each, 10c.; doz., \$1.00.**

One each of above 5 splendid Callas for \$1.25.

### Camassie Esculenta

(Indian Squash)

Perfectly hardy, thriving well in partially shaded situations. Flower stems about 2 feet tall, and bear 20 or more clear, blue flowers, nearly two inches across. **Each, 3c.; doz., 25c.; 100, \$1.00, postpaid.**

### Chionodoxa Luciliae (Glory of the Snow)

Charming blue and white flowers, blooming at the first sign of spring; perfectly hardy outdoors. For effective show should be planted in groups or lines of 25 or more bulbs. May also be grown indoors, like Freesias. **Each, 3c.; doz., 20c.; 100 for \$1.25, postpaid.**

### Giant Cyclamen

(Ready for Delivery in September)

Cyclamen are very ornamental plants for either green-house or house culture. Easily grown, are very free-bloomers, remain a long time in flower and bloom on long stems well above the foliage. The foliage is also very beautiful. Plant in 5-inch pots, in soil made up of equal parts of good loam, leaf mould and sand. Keep in a light, airy place, with quite low temperature; water freely and give plenty of light and air. **Never allow a Cyclamen to become quite dry.**

**Cyclamen Persicum Giganteum**, strong bulbs in separate colors, white, red and rose, each, 25c.; per doz., \$2.00. One bulb of each color for 50c. All postage paid.

### Ixias

The brilliant and varied hues of these most graceful and beautiful winter-blooming bulbs make them especially prized for indoor culture. Plant a dozen bulbs in a 6-inch pot and set in a cool place; treat the same as other autumn bulbs. In the garden they need ample protection, and should be planted in a well-drained situation, if possible. **All colors, assorted, each, 2c.; doz., 15c.; 100, 75c.**



White Callas.



German Iris Growing in "True Blue" Nursery.

## Iris---The Irises

The Greek word "Iris" was the name which the ancients gave to the goddess of the rainbow. Applied to this class of flowers, it signifies that all the beauty of a rainbow is found in the coloring of the various sorts. In our opinion, a bed of Iris even surpasses the rainbow in glorious beauty with its endless variety of brilliant colors and hues. Foremost among the Irises are the Japanese varieties, which produce extra large flowers in greatest profusion. The German Iris or "Flags" enjoy great popularity, while the Spanish Iris or Garden Orchids deserve a more general cultivation.

Irises can be sent by express only, at customers' expense.

### German Iris (*Iris germanica*)

The best known of all Irises are found in nearly all old-fashioned gardens. For edging shrubbery or garden borders they are unsurpassed. Bloom freely early in May, are absolutely hardy and the plants increase rapidly in size and beauty. We grow them extensively at our "True Blue" Nursery and are in a position to offer choicest stock at reasonable prices.

All Sorts, Mixed—Contains all the best sorts. 10c. each, 75c. doz.

### Japanese Iris (*Iris Kaempferi*)

This magnificent class produces flowers measuring 10 to 12 inches in diameter, carried on stems 2 to 4 feet tall. For best development, Japanese Iris should be planted in moist soil, with full exposure to the sun. During the growing and blooming period it will do the plants good to flood the land several times. They will then produce their glorious flowers in great masses. Japanese Iris grow anywhere in this country and are as hardy as oaks.

Finest single sorts mixed, each, 15c.; doz., \$1.50.

Finest double sorts mixed, each, 15c.; doz., \$1.50.

### Spanish Iris (*Iris hispanica*)

Among the prettiest of all bulbous plants, with flowers of great diversity and richness of coloring. Spanish Irises should be planted more freely, especially because they are among the cheapest hardy plants procurable. At the same time they give the greatest amount of pleasure for money invested, and we doubt whether 50 cents will buy as much delight in any other kind of seeds, plants or bulbs, as 100 mixed Spanish Iris would give you year after year. They bloom in June, with stems 15 to 18 inches long, flowers from 3 to 4 inches in diameter. Set bulbs 5 inches apart in rich, moist soil. For cutting or decorations of all kinds, Spanish Iris are unsurpassed.

**Belle Chinoise**—Pure yellow. Very fine.

**Blanche Fleur**—White tinted.

**British Queen**—Pure white. One of the best.

**Cajanus**—Fine, large, clear yellow; very attractive.

**Count of Nassau**—Large, blue, of excellent form.

**Darling**—Dark blue. Splendid, large blooms of

good substance.

**Leander**—A sweet-scented, deep yellowish sort of very fine habit of growth.

**Louise (Coquette des Blanches)**—White and light blue. Exceedingly showy.

**La Reconnaissance**—A very fine bronze. Rare shade of great beauty.

**Solfatare**—Large, dark blue. Later than Darling and very attractive.

Any of above, 25c. per doz., 75c. per 100, \$5.00 per 1000.

Livingston's Superb Mixture of Spanish Irises, doz., 15c.; 100 for 50c.; per 1000, \$3.50.



Spanish Irish, or Garden Orchids.



### Ornithogalum (Star of Bethlehem)

A beautiful plant, producing pearly-white flowers with a jet-black center, and having a delightful aromatic perfume. The flower stems are 18 to 24 inches high, and the blooms remain perfect for a long time. **Arabicum**—Large bulbs, each, 5c.; doz., 50c., postpaid.

### Oxalis

Six or 8 bulbs should be planted in a 5-inch pot or hanging basket. Give partial shade when in bloom, and the flowers will last much longer. **Bowei**—Bright rosy crimson, large. Each, 4c.; 3 for 10c.; doz., 35c.

The following sorts at a uniform price of 4c. each; 3 for 10c.; 25c. per doz.

**Lutea**, pure canary-yellow. **Alba**—White. **Hirta**, bright pink. **Choice Mixed Oxalis**—4 for 10c.; doz., 20c.; 100, \$1.00.

### Ranunculus

Requires a cool situation and deep, rich, well-drained soil. Plant in autumn. The bulbs have tooth-like prongs or claws, and those should be planted downward 3 inches deep, 6 inches apart, and given plenty of protection during winter. In Northern climates they should be grown in pots in the house only. The following varieties at the uniform price of 3c. each, 20c. doz., postpaid.

**French**—Mixed. **Persian**—Mixed. **Turban**—Mixed.

### Scilla Siberica

*Scilla Siberica* is one of the hardiest bulbs we have, and is very valuable for a permanent edging to bed or border. They are very useful in combination with Crocuses or Snowdrops. Their intensely blue, bell-shaped flowers are exquisite. They are also grown in pots, 6 to 8 bulbs in a 5-inch pot. 2 for 5c.; doz., 25c.; 100 for \$1.50, postpaid.

**Scilla Alba**—New, white-flowering variety; very beautiful. 2 for 5c.; doz., 25c.; 100, \$1.50, postpaid.

### Snowdrops (See Illustration Above)

One of the very earliest flowers to greet us in spring with their nodding blooms of pure white borne on stems about 6 inches high. They come a few days earlier than the Crocus, appearing frequently in March, before the snow has disappeared. The single variety comes a little the earliest. In the lawn or in masses, makes a pleasing contrast with *Scilla* or *Crocus*.

**Single**—2 for 5c.; doz., 15c.; 100, \$1.00, postpaid.

**Double**—3 for 10c.; doz., 25c.; 100, \$2.00, postpaid.

## Livingston's \$1.00 "Success" Collection of Bulbs

**A GREAT BIG DOLLAR'S WORTH OF THE BEST BULBS FOR WINTER-BLOOMING INDOORS.**

The bulbs listed below are all first quality, of the most desirable varieties, will grow quickly and bloom freely. If you have had poor luck with bulbs or been disappointed in the flowers, we recommend that you try this "Success" Collection. All the bulbs in this collection are the very best of their several kinds, while the varieties that have been selected give the very best results, producing beautiful flowers with the greatest ease. Try this collection, and we guarantee that you will be pleased.

4 Hyacinths, all different colors,

6 Roman Hyacinths, early, pure white,

together with 4 of Livingston's Giant-Flowering Paper White Narcissus.

6 Freesias,

6 Oxalis,

4 Polyanthus Narcissus, assorted.

1 Large White Calla Lily,

**THE "SUCCESS" COLLECTION WILL BE DELIVERED ANYWHERE IN THE UNITED STATES FOR \$1.00.**

## Livingston's Aquatic Collection of Bulbs for Growing in Water

Seven splendid bulbs, postpaid, for 40 cents. At regular prices would cost 55 cents. Contains 3 fancy named Hyacinths, different colors, 3 Paper White Grandiflora, 1 large Chinese Sacred Lily. All are varieties which do well in water. 40 cents, postpaid.



## Other Choice Bulb Collections

### "Garden" Collection—Hardy Bulbs

For Planting in the Open Ground

This collection is made up of the same choice bulbs as are listed in this catalogue. They are all perfectly hardy and should be planted this Fall in the open ground, and beginning in March, and sometimes in February, they will give an endless amount of gorgeous flowers throughout April and May. Our collections being offered at prices far below our regular rates, we cannot allow any changes to be made.

#### "GARDEN" COLLECTION.

- |  |  |
|--|--|
| 12 Bedding Hyacinths, red, white, blue, separate colors, | 6 Narcissus, doub., mixed,                         |
| 24 Tulips, Sin., early, mix.,                            | 50 Crocus, white, yellow, purple, separate colors, |
| 12 Tulips, Doub., early, mix.,                           | 12 Jonquils, mixed,                                |
| 6 Tulips, late or May-flowering, mixed,                  | 24 Scilla Siberica,                                |
| 6 Parrot Tulips,   | 2 Lilies, each different,                          |
| 16 Narcissus, single, mixed,                             | 12 Grape Hyacinths, mixed,                         |
|  | 12 Snowdrops,                                      |
|  | 12 Chionodoxa Luciliae.                            |

**PRICE—Full "Garden" Collection** (200 bulbs) as offered above, delivered free in the U. S., for **\$3.50**.

**PRICE—Half "Garden" Collection** (100 bulbs) one-half quantity of each of above varieties, delivered free in United States, for **\$2.00**.

### "Sunshine" Collection of Bulbs

For Winter-Blooming Indoors

This collection contains 100 of our best bulbs. They have been carefully selected, and will prove a veritable mine of delightful surprises, bringing brightness, beauty and fragrance by their continuous display of flowers through the winter. Our collections are offered at extremely low prices, and we cannot make any alterations.

#### "SUNSHINE" COLLECTION.

- |                                |                              |
|--------------------------------|------------------------------|
| 6 Hyacinths, sing., dif. col., | 6 Narcissus, sing., assort., |
| 6 Hyacinths, double,           | 6 Narcissus, doub., assort., |
| 12 Tulips, mixed forcing,      | 2 Calla Lilies,              |
| 6 Roman Hyacinths,             | 6 Oxalis, assorted,          |
| 2 Chinese Sacred Lilies,       | 6 Allium Neapolitanum,       |
| 6 Paper White Narcissus,       | 2 Easter Lilies,             |
| 6 Freesias,                    | 6 Ixias, mixed,              |
| 6 Anemones, sing. & doub.,     | 4 Ornithogalum,              |
| 6 Jonquils, Campernelle,       | 6 Ranunculus, assorted.      |

**PRICE—Full "Sunshine" Collection** (100 bulbs) as offered above, delivered free in the United States, for **\$3.00**.

**PRICE—Half "Sunshine" Collection** (50 bulbs), one-half quantity of each of above kinds, delivered free in United States, for **\$1.75**.

## Livingston's Collection of "Hardy Border" Bulbs

The bulbs selected for this collection are especially suitable for planting among shrubbery, trees and for naturalizing in semi-wild places. Planted in small groups in the herbaceous border, they are exceedingly effective. They will not interfere with the other permanent plants, are perfectly hardy and will last for many years without being disturbed. They are very cheap, and should be planted liberally for best results. **1000 Bulbs, \$7.50, by express, not prepaid.**

- |  |   |
|--|---|
| 200 Crocus, 4 different colors (separate),     | 100 Scilla—Siberica and Alba, separate,         |
| 100 May-flowering Tulips, mixed,               | 100 Chionodoxa Luciliae,                        |
| 100 Narcissus, Poeticus Ornatus,               | 100 Snowdrops, single,                          |
| 100 Jonquils, Campernelle,                     | 50 Narcissus, Von Sion, double yellow Daffodil, |
| 100 Grape Hyacinths, blue and white, separate, | 50 Narcissus, Alba Plena Odorata.               |

This magnificent collection will furnish a multitude of brilliant flowers from early March or even February until late in May or June.

- |  |                                 |
|--|---------------------------------|
| 1000 "Hardy Border" Bulbs, offered above .....                   | \$7.50, by express, not prepaid |
| 500 "Hardy Border" Bulbs, one-half of each of above kinds.....   | 4.00, by express, not prepaid   |
| 250 "Hardy Border" Bulbs, one-fourth of each of above kinds..... | 2.25, by express, not prepaid   |

## Livingston's Superb Paeonies

Paeonies are the flowers for all. Whether grown singly along the doorsteps of the humblest cottage, or in imposing rows along the driveways of the millionaire's country estate, they always fit the place. Wonderful improvements have made Paeonies twentieth-century flowers, and they enjoy great popularity wherever known and grown. For indoor decorations they are decidedly fashionable and their great beauty wins for them more friends and admirers every year.



The culture of the Paeonies is the simplest. Plant them from 5 to 6 inches deep, 3 to 4 feet part. Put some well-rotted manure in the bottom of each hole. Press the soil carefully around the roots, being careful not to break the crowns. Water freely during the growing season, should the weather be dry. A mulching of dry manure in the fall will enrich the soil and help to produce finer flowers. It is not needed as protection.

**Remember** that Paeonies should be planted in the Fall. In the Spring their growth would be seriously checked and a greatly reduced number of only fair blossoms is always the result of Spring planting.

### Edulis Superba

as illustrated herewith

impresses us as one of the finest sorts in our collection. During the season just past visitors would invariably stop in front of the rows of this sort and pronounce it superb. The strong, healthy bushes are literally loaded with magnificent flowers of large size, exquisite fragrance and perfect shape. The color is a fine brilliant pink, shaded violet, intermixed with narrow whitish petals. One of the best cut-flower sorts and one of the earliest in our list. **Each, 35c.**

Specimen Plant of Edulis Superba Growing in Our True Blue Nurseries.

# The Best Named Double Paeonies

## Delachei

(See illustration below)

One of the most remarkable of the dark sorts. It blooms at midseason, makes strong, bushy plants and is very free-flowering. The flowers are marvels of elegance, of great size and beautiful shape. The color is a dark, velvety crimson-purple, a shade of distinct beauty. **Each, 50c.**

**Delicatissima.**—Rose, changing to white. One of the finest of this type; very double and sweet scented. Late bloomer; fine cut-flower variety. **Each, 75c.**

**Duchesse de Nemours.**—One of the best late whites. The flowers are of fine cup-shape, and the buds are exceptionally beautiful. Plants strong, vigorous growers, very free-flowering. **Each, 40c.**

**Edulis superba** is described and illustrated on page 17. Be sure to read all about this pretty sort.

**Felix Crousse.**—Midseason sort, with large, double, ball-shaped flowers of brilliant red, flamed ruby in center. One of the finest reds. **Each, 60c.**

**Agnes Marie Kelway**—This beautiful variety was introduced by the greatest English Paeony specialists. It received a first-class certificate of merit by the Royal Horticultural Society of England, a society of experts who are thoroughly competent to judge the true merits of a flower or plant. A. M. Kelway produces magnificent flowers, with light rose guard petals, yellow petaloids and rose tuft center. **Each, 50c.**

**Arthemise**—Late sort, valuable for bedding and landscape work. The magnificent large flowers are of soft lilac-pink color, and are carried well above the foliage on long, stiff stems. Fine for cutting and interior decorations. **Each, 40c.**

**Avalanche**—Pure white with creamy center, petals striped carmine. One of the finest of new French paeonies. Large blooms of perfect shape and delightful fragrance. **Each, \$1.00.**

**Charlemagne.**—An exceptionally fine late variety, which produces a profusion of immense creamy-white flowers with lilac center, sometimes shaded chamois. This is one of the most beautiful of the French introductions and deserves extensive planting. Our stock is extra fine. **Each, 50c.**

## The Queen of Paeonies Festiva Maxima

(See illustration on page 19)

The finest white Paeony in cultivation today. Though it is not a new sort, it has never been surpassed in its class and type, and the true variety will always be scarce. The illustration herewith presents this superb variety only very inadequately, as it must be seen in all its glory under congenial surroundings in order to be fully appreciated.

The magnificent white flowers are of perfect shape, very full and double. Some of the center petals are flaked with carmine. Festiva Maxima is a strong grower and free bloomer. Foliage handsome and healthy; flower carried on long, stiff stems. **Each, 50c.**

**Gigantea.**—Delicate rose-pink, tipped with silvery white. Very fragrant, free-flowering. True stock will always be rare. Very choice. **Each, \$1.25.**

## Golden Harvest

Medium early sort of American origin. It is a most beautiful sort, very free-flowering and delightfully scented. Guard petals soft pink, with clear yellow collar and a tuft of creamy-yellow petals in center, which are sometimes tipped with red. A most distinct variety of the highest merit. **Each, 50c.**

**Irma.**—Exquisite blush pink. Very dainty double flowers of elegant shape. Highly perfumed. **Each, 35c.**

**Linne.**—Large, very double, cherry-red flowers. Bushes are strong, stems upright, carrying the magnificent flowers well above foliage. Very free-blooming. **Each, 40c.**

## Livingstone

The best late pink sort we know. The daintily imbricated blooms are of extraordinary size, yet graceful and charming. It is one of the most floriferous sorts we have ever seen. Four to five perfect flowers would be produced on one stem, and the bushes are loaded with the mammoth blooms. One of the most remarkable characteristics of the "Livingstone" is the lasting quality of the flowers. We have kept flowers in the home under ordinary conditions for a week before they would show signs of deterioration. This demonstrates best the value of this sort as a cut-flower variety. **Each, \$1.50; 3 for \$4.00.**

**Note**—We are great admirers of choice Paeonies ourselves and have always on hand a number of new, rare sorts which we do not list on account of their rarity. If some Paeony fanciers among our customers should be looking for the newest and finest, we invite correspondence. We shall gladly send a list of these extra fine (but necessarily high-priced) sorts to interested buyers.



Delachei Paeony.

Paeonies—Continued.

**Madame Boulanger**—Extra fine late sort with magnificent, large flowers of elegant shape. Glossy, soft pink, shaded lilac. Border of petals flesh color with silvery tinge. Each, \$1.00.

**Madame Crousse**—Pure white center, petals edged with carmine. This is an extra fine sort for all purposes; splendid as a cut-flower. Blooms very large, of exquisite shape; is very fragrant. One of the best midseason varieties. Each, 75c.

**Madame Jules Calot**—One of the very best midseason sorts. Flowers of exquisite shape, full, double and highly scented. Guard petals soft pink; center petals pinkish white, shaded with saffron. A superb variety. Each, 75c.

**Madame Ducel**—Brilliant pink, with silvery reflex. Large, perfectly shaped, globular flowers. Extra fine midseason variety. Each, 60c.

**Marie Lemoine**—Magnificent late sort, with enormous, very double flowers. Sulphur-white, shaded chamois; petals edged carmine. Each, 75c.

**Mathilde de Roseneck**—Plants make a tall, thrifty growth and bloom very freely. The flowers are of immense size, ball-shaped, very double, and of exquisite form. Color, soft flesh-pink, shading deeper towards center; petals edged silvery white and occasionally carmine. Beautiful and distinct late sort of highest merit. Each, 75c.

**Modele de Perfection**—Extra choice French sort, deserving the highest praise. The plants bloom late and produce a profusion of enormous flowers of perfect shape on strong, upright stems. Color, flesh-pink, marked with bright rose; the petals are edged with silvery rose. Salmon shaded petals are often found among the center tufts. An ideal sort. Each, 75c.

**Monsieur Boucharlot Aine**—A strong and thrifty grower, especially valuable for borders and in connection with landscape gardening. Flowers of medium size, well shaped; color, bright pink, with lilac sheen; central petals occasionally spotted carmine. Each, \$1.00.

**Monsieur Jules Elie**—Grand midseason variety, ideal for all purposes and the nearest perfect Paeony. The immense globular flowers are very double, are borne in the greatest profusion on long stems. Color, perfect pink, shading to deeper rose at the base. Pronounced by leading paeony experts the most perfectly shaped sort in existence. Each, 50c.

**Queen Victoria (Whitley)**—Early midseason sort, fine as a cut-flower and stands shipping perfectly. Large, white flowers; center petals tipped with carmine spots. Large, compact flowers. Each, 25c.

Richardson's Rubra Superba

There is no finer dark crimson Paeony than this among the late sorts. Flowers enormous, of perfect shape; very double; dark, velvety crimson. See also among "Three Best Late" varieties below. Each, 50c.

**Rubra Triumphans**—Deep crimson-maroon. A striking sort of brilliant beauty; exceedingly valuable for bedding and landscape work. Extra large, double flowers. Each, 35c.

**Triomphe de L'Exposition de Lille**—Superb late sort, desirable for all purposes. Soft flesh-pink, with white reflex. Flowers of medium size, but of exquisite shape and very fragrant. Fine in the bud. A good, strong grower. Each, 75c.

Livingston's Popular Paeony Collection

The three beautiful Paeonies in this collection are especially desirable. All are strong growers and produce in great abundance very large, full, perfectly double flowers, which are delightfully fragrant and very brilliant in color effect. They are the earliest blooming Paeonies in cultivation, coming into bloom from ten days to two weeks before other sorts.

**Officinalis Alba Mutabilis (Japan)**—Very large, full, well formed bloom, opening a blush white and changing to ivory white. Each, 20c.; doz., \$2.00.

**Officinalis Rosea (Japan)**—Mammoth flowers of perfect form, very full and double. Color, beautiful rose-pink. Extremely brilliant and effective. Each, 20c.; doz., \$2.00.

**Officinalis Rubra (Japan)**—Magnificent brilliant glowing deep crimson. Is very striking. Each, 20c.; doz., \$2.00.

One each of the three beautiful Paeonies described above, 50c. To encourage liberal planting, we offer the above three sorts at \$12.00 per 100; 25 at 100 rate.

Paeonies in Distinct Colors

Choicest sorts, with beautiful double flowers of elegant shape and delicate colors are used in the make-up of these collections.

**Best White, Pink and Crimson Shades.** Each, 15c.; \$1.50 per doz.; \$11.00 per 100.

A Collection of Three Gems

The following sorts we consider the **three best late Paeonies**. They extend the season for a considerable period, and each of them is perfection in this class of plants.

**Livingstone**—Best delicate pink (described on page 17).

**Marie Lemoine**—Best late white (described above).

**Richardson's Rubra Superba**—Best late crimson.

One of each for only Two Dollars.



# Profuse Flowering Hardy Phloxes

(*Phlox paniculata*)



**N**EXT to Paeonies described on preceding pages, hardy Phloxes are easily the most important of all hardy plants. With exceedingly free-flowering qualities they combine great hardiness, and they produce very showy panicles of flowers during a considerable length of time. Withal, Phloxes are not particular as to soil and location. (See "Culture Directions" below.)

Hardy Phloxes are a distinct feature of the hardy garden. Soon after the Paeonies finish their glorious flower shows, the earliest of the Phloxes appear. First among them is "Miss Lingard," which we are tempted to call the best white Phlox in cultivation. Scattered through the herbaceous border or among shrubbery, it will form attractive displays of pleasing whiteness, and the large, magnificent trusses always evoke favorable comment. Duquesclin is another superb early sort, with violet gray flowers, each of which is marked with a crimson eye. All of the sorts listed by us possess those characteristics which make them leaders among their brethren, and our patrons may feel perfectly safe to order any of these varieties or the complete assortment.

Realizing the importance of hardy Phloxes some years ago, we have made special studies of them at our True Blue Seed Farms. Hundreds of the best sorts have been tried, and those that fell short have been eliminated, while other meritorious sorts have been included in our collection. These trials have been carried on through a number of years, and we shall keep them up in years to come for the benefit of our customers. Acres of beautiful Phloxes are now ready for distribution. Order freely, plant liberally, hoe diligently, and results will be thoroughly satisfactory.

**Culture Directions** Phlox requires a deep, rich loam for best development, as the plants are gross feeders. During dry seasons they should be watered liberally as they like plenty of moisture. Phloxes will do well in partial shade, where the colors will be brighter and the flowers last longer. By pinching out the tops of plants before buds form, their blooming season can be prolonged until late in the fall. Liberal cultivation will cause the plants to bloom more freely than under ordinary circumstances.

## Sorts of Proven Merit

**Athis**—Excellent tall sort with dark stems. Large trusses of brilliant salmon flowers, with dark eye.

**Beranger**—Of delicate white color, suffused with rosy pink. Distinct amaranth eye.

**Bridesmaid**—Pure white, with large crimson center; producing immense flowers on large trusses; very fine.

**Coquelicot**—Fine pure scarlet, with deep carmine eye; vivid.

**Duquesclin**—Distinct sort of violet-gray color, shading white toward edges; center crimson. Very unique.

**Eclairer**—Fine early purplish crimson; free bloomer.

**Etna**—Branching spikes and large flowers of vivid orange-scarlet color with maroon center. One of the best.

**Henri Menger**—Extra large white, with brilliant scarlet center. The best in its class.

**Josephine Gerbereau**—Beautiful pure white, with a large blotch of carmine in center.

**Madame F. Langier**—A dazzling pure crimson. One of the choicest dark reds.

**Pantheon**—Bright carmine-rose; flowers and panicles very large; a strong grower and free bloomer.

(See center illustration below.) Produces magnificent trusses of beautiful white flowers in June and blooms again in September and October. The best white Phlox in cultivation, of strong, vigorous habit of growth, free from insect attacks and plant diseases.

**Princess Louise**—White with rose eye. Of medium size only, but very dainty and symmetrical.

**Prof. Schliemann**—Late sort, with highly ornamental, red-stemmed foliage. Very shapely panicles of brilliant rose-lilac flowers.

**Purity**—One of the best whites. A strong grower.

**Richard Wallace**—White, rosy center. (See illustration.)

**Selma**—Lovely new sort of perfect form; soft pink, with large crimson center.

**Snowflake**—Snow-white. Good flower and free bloomer.

**The Pearl**—One of the best white sorts. Midseason sort.

**Virgo Marie**—One of the strongest growing whites. Fine for dry sections as it roots deeply.

**Purity**—Pure white; very large truss of flowers; extra.

**Price** Field-grown plants, 15c. each, \$1.50 per dozen.  
Collection of 20 distinct and valuable sorts as listed above for \$2.50.



Selma.

## Miss Lingard



Richard Wallace.

Miss Lingard.

Bridesmaid.

## Decorative and Winter-Blooming Plants

We have selected with the greatest care our collections of Decorative and Winter-Blooming Plants, including those only that with fair treatment will thrive and give satisfaction in the ordinary living room or conservatory. We send free to our customers on application a very instructive leaflet on **The Care of House Plants**. All plants listed under this heading are sent by mail, postpaid, except those offered in large quantities, or of large size, which must be sent by express, customer paying charges when shipment is received.



**Asparagus Plumosus Nanus.**

### Otaheite Orange

As a pot plant the lovely Otaheite Orange is one of the most novel and beautiful that can be grown. It is the best of all the Oranges for house culture; is of dwarf, bushy habit, and bears a continual profusion of fragrant flowers and edible fruit. **Thrifty Young Plants, each, 25c., postpaid.** By express, not prepaid, 50c.; \$1.00 and up.

**SPECIAL OFFER**—One strong plant each of the lovely Otaheite Orange and beautiful Wonder Lemon for 35c., postpaid.

### Livingston's Best Ferns

**Improved Ostrich Plume** (*Nephrolepis Whitmani*.) This exquisitely beautiful new fern is unquestionably the very best of this valuable type. The individual fronds are finely divided. **Strong Plants, each, 20c.**

**The Boston Fern** (*Nephrolepis Bostoniensis*.) The Boston Fern has for many years held its place as the standard variety in ornamental Ferns. Its fronds frequently attain a length of 4 feet. **PRICE**—Postpaid, **Strong Plants, from 3-inch pots, 25c.; 4-inch pots, 40c.** By express, not prepaid—**Good Large Plants, from 5-inch pots, 75c.; 6-inch pots, \$1.00.** Extra Large Plants from \$1.50 to \$3.00, according to size.

**Roosevelt Fern** (*Nephrolepis Bostoniensis* "Roosevelt.") An offspring of the Boston Fern, with fronds fully one-half as wide again as those of the parent variety and the fronds are beautifully curled. Of elegant and graceful growth, producing twice as many fronds on plants in same size pots as the original Boston Fern. **Strong Plants, from 2½-inch pots, 75c., each, postpaid.**

### Asparagus Plumosus (Climbing Lace Fern)

The fronds are a bright green, gracefully arched, 10 to 12 feet long. Their lasting quality when cut is remarkable. **Fine Plants, each, 15c. Larger Plants, each, 25c. and 50c. postpaid.**

### Asparagus Sprengeri

One of the handsomest plants for house and conservatory. It is especially desirable for pots, vases and baskets, covering all with beautiful drooping sprays of lovely green foliage, which can be cut freely, and are useful for all kinds of floral decorations. Easily grown, requires but little care and keeps growing the whole year. Flowers white, delicately scented. **Fine Plants, each, 15c. Larger Plants, each, 25c. and 50c., postpaid.**

### Chinese Azaleas (Ready for Shipment November 1st)

These well known and most beautiful plants are superb in the window garden or conservatory. We offer a very fine collection of Azaleas, comprising the most distinct and best varieties in cultivation, embracing all shades of crimson, white, pink and rose color. They are shapely specimens, well "headed," double and single. Our plants will bloom from the middle of February until the first of April.

**Plants with heads 10 to 12 inches diam., each, \$1.00.**

**Plants with heads 12 to 14 inches diam., each, \$1.50.**

**Plants with heads 14 to 16 inches diam., each, \$2.00.**

**Larger size plants, each, \$3.00 to \$5.00.**

By express, buyer paying charges.

### American Wonder, or Ponderosa Lemon

Splendid pot plants, with glossy dark green leathery leaves. Blooms in clusters of fragrant white flowers. It begins to bear fruit when quite small—not over 18 inches high. Fruit juicy, makes delicious lemonade, and is not excelled for fine flavor. We send printed instructions for their care with each order. **Thrifty Young Plants, each, 25c., postpaid.** By express, not prepaid. **Strong Plants, 50c., \$1.00 and up.**

By express, buyer paying charges.

**Moss Fern** (*Selaginella Emiliania*.) Useful in connection with Small Ferns in pans or baskets. Has delicate lace-like foliage, always fresh and green; easily grown. **Each, 15c.; doz., \$1.50.**

**Shaking Fern** (*Pteris Tremula*.) Foliage large and graceful. The slightest movement of the air shakes the leaves. Grows very fast. Sprinkle gently on warm days. **Each, 15c. Larger Plants, 25c.**

### Small Ferns for Fern Dishes

(See illustration below.)

We have a very fine collection of Small Ferns, suitable for fern pans or dishes. **Each, 15c.; collection of 6 for 60c.; doz., \$1.00.** Our selection.

**Umbrella Plant** (*Cyperus Alternifolius*.) Will thrive best in damp or wet soil, but is mostly grown in a bowl, dish or vase partly filled with soil and water. Not hardy. **Fine Plants, each, 15c. Larger Plants, each, 25c.**



Selected List of "True Blue"

# Flower Seeds

For Fall Planting

Many flower seeds are perfectly hardy and may be sown in the open ground in the Fall, thereby gaining considerable time, as the plants will make their appearance early in the Spring and come into bloom much sooner than from seed sown in the Spring.

## Livingston's Giant Pansies

For the largest and finest Pansies, the seed must be sown in the early fall. It is best to plant in the open ground in August, if possible. Transplant the young seedlings to permanent location as soon as large enough, say in September. They will then have time to form good strong roots before the ground freezes. The last of November protect the plants with a covering of leaves or straw about three inches deep.

## Livingston's Fancy Pansy Mixture

This seed is saved from the largest and rarest colored flowers of the most perfect form and velvety texture. We are constantly adding new, distinct and rare varieties to this, our best strain of Pansies; in fact, the seed represents the cream of all the finest collections of the most noted English, French, German and Scotch growers. We believe that it is the most elegantly varied mixture ever offered. **Pkt., 25c.; 3 pkts., 60c.; ½ oz., \$1.25.**



From Our Giant Pansy Mixture.



From Our "Fancy Pansy" Mixture

## Livingston's Giant Pansy Mixture

This splendid mixture is a blended combination of beautiful giant-flowering Pansies and contains innumerable rich colors and rare varieties. A magnificent mixture at a low price. **Pkt., 10c.; 3 pkts., 25c.; ½ oz., 40c.; oz., \$2.50.**

## Best Strains of Mixed Pansies

**Masterpiece (Frisled Pansy)**—Petals are beautifully waved; exquisite colors. **Pkt., 15c.; 2 pkts. for 25c.**

**Bugnot's Superb Blotched**—Extra choice flowers; large; plenty of light colors. **Pkt., 20c.; 3 pkts. for 50c.**

**Madame Ferret**—A splendid giant-flowering strain, of French origin; red and rose shades. **Pkt., 15c.**

**English Pansies**—The old-fashioned "English Face Pansies"; have from time immemorial been popular favorites. **Pkt., 10c.; 3 pkts. for 25c.**

**German Pansies**—The German Pansies are noted for their almost endless variations; beautiful. **Pkt., 10c.**

**French Pansies**—The Parisian Pansies are large and strongly marked and blotched. In a word, they are very attractively "Frenchy." Of great excellence, the individual flowers being superb. **Pkt., 10c.**

- Giant Trimardeau, Black ..... Pkt., 10c.
- Giant Trimardeau, Emperor William, Blue ..... Pkt., 10c.
- Giant Trimardeau, Purple ..... Pkt., 10c.
- Giant Trimardeau, Striped ..... Pkt., 10c.
- Giant Trimardeau, White ..... Pkt., 10c.
- Giant Trimardeau, Yellow ..... Pkt., 10c.
- Giant Trimardeau, Hortensia—Red ..... Pkt., 10c.
- Giant Trimardeau, Splendid Mixture ..... Pkt., 10c.

## Hardy Varieties that can be sown to come up next spring

	Pkt.
Alyssum, Sweet	5
Alyssum, Little Gem	5
Alyssum, Saxatile, yellow	5
Aquilegia, double mixed	5
Aquilegia, single mixed	5
Calliopsis, Lanceolata	10
Calliopsis, Golden Wave	5
Calliopsis, finest mixed	5
Candytuft, Sempervirens	10
Candytuft, Gibraltarica	10
Candytuft, mixed	5
Dianthus Chinensis, double mixed	5
Dianthus Plumarius, double mixed	10
Dianthus Plumarius, single mixed	5
Dianthus Laciniatus, single mixed	5
Eschscholtzia, double mixed	5
Eschscholtzia, single mixed	5
Lathyrus Latifolus, mixed	5
Poppy, Iceland	15
Poppy, Orientale	10
Poppy, Orientale, hybrids	10
Portulaca, double mixed	10
Portulaca, single	5
Sweet Peas, "Special Mixture"	10
Sweet Peas, fine mixed	5
Sweet Peas, 40 sorts, each	5
Sweet Peas, collection of 6 best kinds	20
Sweet William, double, mixed	5
Sweet William, single, mixed	5

## Varieties which need the protection of cold frames in cold latitudes

Antirrhinum, Giant, mixed, tall	10
Antirrhinum, 5 sep. colors, each	10
Antirrhinum, Dwarf, mixed	5
Bellis, double, Longfellow, Rose	10
Bellis, double, Snowball, White	10
Bellis, double, extra mixed	10
Canterbury Bells, single, mixed	5
Canterbury Bells, double mixed	5
Carnation, Giant Marguerite, dou. mix.	10
Carnation, Chabaud's Everblooming	10
Delphinium, 5 sep. varieties, each	10
Delphinium, special mixed	10
Hollyhock, 6 separate colors, each	10



Oriental Poppies.

NOTE—Any 6 five-cent Packets of Flower Seeds for 25c.; any 13 five-cent Packets, 50c.; 10c. Packets may be counted as two five-cent Packets.

	Pkt.
Hollyhock, prize mixture	10
Hollyhock, Allegheny, mixed	10
Myosotis, mixed	5
Myosotis, blue (Alpestris)	5
Pansies (see top of page)	
Primula Japonica, mixed	10
Violet, blue, sweet-scented	5
Violet, The Czar	5

## Varieties for the window garden and conservatory

Abutilon, mixed colors	10
Asparagus Sprengeri	10
Asparagus Plumosus Nanus	15
Begonia, Vernon	10
Begonia, single, Tuberous-rooted	25
Begonia, double, Tuberous-rooted	25
Calceolaria, mixed	25
Carnation, double, mixed	10
Carnation, Giant Marguerite, mixed	10
Centaurea, Gymnocarpa	5
Centaurea, Candidissima	10
Cineraria, prize mixture	25
Cobaea Scandens, blue	5
Coleus, fine mixed hybrids	10
Cyclamen, Persicum, mixed	10
Cyclamen, superb mixture	25
Fuchsia, mixed	15
Geranium, Zonale varieties	10
Gloxinia, large-flowering, mixed	25
Heliotrope, all shades, mixed	5
Lantana, mixed	5
Lobelia, compacta varieties, mixed	5
Mignonette, Allen's Defiance	5
Mignonette, Machet	10
Nasturtiums, Tall, Giant, mixed	10
Petunia, Superb Single, mixed	15
Petunia, Superb Double, mixed	25
Primrose, Chinese, double, mixed	25
Primrose, Chinese, single, mixed	25
Smilax	5

# "True Blue" Vegetable Seeds

## For Forcing and Fall Planting

The following is a list of those varieties most used for fall sowing and includes varieties especially adapted for use in the Southern and Pacific Coast States. A complete list of Vegetable Seeds, with full descriptions, is sent by mail free upon request.

**IMPORTANT**—Prices quoted are by mail, postpaid. If sent by express or freight, customer paying charges, the postage may be deducted at the rate of 8c. per pound or pint and 15c. per quart. Special prices quoted on large quantities.

### ASPARAGUS

Roots Ready in November

	By Mail, postpaid		Not prepaid	
	Doz.	100	100	1000
Conover's Colossal	30c	\$1 15	65c	\$5 00
Columbian Mammoth White	35c	1 25	75c	5 50
Early Argenteuil	35c	1 25	75c	6 00
Palmetto	35c	1 25	75c	5 50

50 at the 100 rate, 500 at the 1000 rate.

Special Prices will be quoted on Larger Quantities.

### CABBAGE.

	Pkt.	Oz.	¼ Lb.	Lb.
135 Early Jersey Wakefield	5c	25c	60c	\$2 00
141 All Head Early	5c	25c	75c	2 50
137 Large Wakefield, or Charleston	5c	25c	60c	1 75
146 Henderson's Early Summer	5c	25c	60c	2 00
152 Livingston's Ideal Winter	5c	25c	75c	2 50
151 Livingston's Premium Flat Dutch	5c	25c	75c	2 50
171 Mammoth Red Rock	5c	25c	75c	2 25

### KALE, or BORECOLE

	Pkt.	Oz.	¼ Lb.	Lb.
379 Siberian	5c	10c	20c	65c
378 Dwarf Green Curled, or Sprouts	5c	10c	20c	65c

### RADISH

	Pkt.	Oz.	¼ Lb.	Lb.
814 Cincinnati Market	5c	10c	20c	65c
824 Livingston's Pearl	5c	10c	25c	75c
816 Long Scarlet Short Top	5c	10c	20c	65c
802 Early Scarlet Turnip	5c	10c	20c	65c
842 White Strassburg	5c	10c	25c	75c

### Turnips

1040 Purple - Top White Globe — A variety of decided merit. Globular shape, and of superior quality, either for the table or stock. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

1048 Extra - Early White Milan. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

1042 Purple - Top Strap-Leaf. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

1054 Early White Egg. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.



Purple-Top White Globe Turnips.

### Hyacinth Glasses

On page 2 will be found a few cultural directions for growing Hyacinths in glasses. The ease and success in flowering these bulbs in this way has added materially to their popularity. Not only can Hyacinths be so flowered, but Narcissus as well.

**Hyacinth Glasses**—Tall, in assorted colors. Each, 18c.; doz., \$1.75.

**Squat, or Tye Shaped**, containing inner tube of glass for removal of bulb without disturbing roots. Each, 25c.; doz., \$2.50. (See illustration, page 5.)

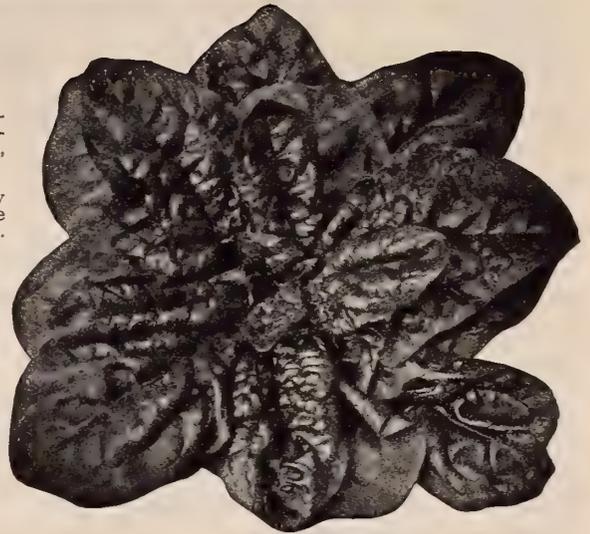
These are sent by express only, customer paying charges.

### Bulb Pans

These are made of same materials as our Flower Pots. Are especially desirable for planting several bulbs in each so as to form a clump.

Size	Each	Doz.	Size	Each	Doz.
6-inch	8	\$0 80	10-inch	20	\$2 00
7-inch	10	1 00	12-inch	35	3 50
8-inch	12	1 20	14-inch	60	6 00
9-inch	15	1 50			

By Express Only!



Improved Thick-Leaved Spinach.

### LETTUCE

	Pkt.	Oz.	¼ Lb.
409 Deacon	5c	15c	40c
420 Denver Market	5c	15c	40c
422 Improved Hanson	5c	15c	40c
395 Selected Big Boston	5c	15c	40c
396 Grand Rapids	5c	15c	40c
418 Livingston's Crisp-as-Ice	5c	15c	50c
408 California Cream Butter	5c	15c	40c

### SPINACH

	Oz.	¼ Lb.	Lb.
881 Frickly-Seeded Winter	5c	15c	35c
878 Improved Thick-Leaf, Viroflay	5c	15c	35c
883 Long Standing	5c	15c	35c
880 Curly-Leaved Savoy (Bloomsdale)	5c	15c	35c
879 Victoria	5c	15c	35c

### Egyptian Winter, or Perennial Tree Onion Sets

Are especially valuable in that they produce the earliest green onions in the spring. They should be planted in the fall, while they are plump and full of vigor. Are perfectly hardy, and start growth at once after planting. No large bulbs are formed, but sets are produced on top of stalks.

**PRICE**—Pint, 15c.; qt., 25c.; 2 qts., 40c., postpaid. By express: Pck, 45c.; ½ bu., 85c.; bu. (28 lbs.), \$1.50.

Prices of Tree Onion Sets are subject to market changes.

### Insecticides

**FIR TREE OIL SOAP**—A most excellent insecticide and soap for the leaves and stems of Palms and Rubber Plants, and for spraying all house plants. Kills all insects. ½-lb. tin, 25c., (postpaid, 35c.); 2 lbs., 75c., (postpaid, \$1.00); 5 lbs., \$1.75; 10 lbs., \$3.25; 20 lbs., \$6.00.

**"BLACK LEAF" EXTRACT OF TOBACCO**—One of the most effective articles for the destruction of all insects and scale on plants. A pure concentrated extract of tobacco. Dilute it with from 30 to 150 parts of water. Full instructions for the various methods of applying given in pamphlet, mailed on application. Pint can, 25c.

**SULPHO TOBACCO SOAP**—Sure death to all insects on plants, shrubs, or trees. Safe to use on tender plants; is a good fertilizer, reviving the injured plant, besides killing the insects at once. Kills moths, roaches, carpet bugs, etc. Use 1 oz. of soap to ½ gallon of water and spray on plants. 3-oz. cake, 10c., (postpaid, 13c.); 8-oz. cake, 20c., (postpaid, 28c.).

Pamphlet, "The Window Garden," sent free to all.

**WHALE OIL SOAP**—Makes an excellent wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up. Directions for using sent with soap. Lb., 20c.; 2 lbs., 35c. If ordered by mail, add 16c. per pound for postage.

## Farm, Garden, Fruit, Flowers, BOOKS Vegetables, Poultry, Etc.

Reading is but another department of gardening. Evenings may be devoted to reading some good books very profitably. Select such as are of special interest, read, make notes of valuable suggestions and plan to carry them out in your work. It pays to keep posted on all new methods. Often a single item will be found worth many times the price of the book.

### Farm and Garden

**Asparagus: How to Grow for Market or Home Use.** 174 pages, 5x7 inches, handsomely illustrated. Cloth, 50c.

**Bookkeeping for Farmers.** Every farmer should keep accounts. This book tells how. 5x7; 40 pages. Paper, 25c.

**Broom Corn and Brooms.** How to raise Broom Corn and Make Brooms on a small or large scale. Cloth, 50c.

**Cabbage, Cauliflower and Allied Vegetables.** By C. L. Allen. 5x7; 128 pages. Illustrated. Cloth, 50c.

**Celery Culture.** By W. R. Beattie. Illustrated. 5x7; 143 pages. Cloth, 50c.

**Clovers and How to Grow Them.** By Thomas Shaw. Treats on the growth, cultivation and treatment of Clovers as applicable to all parts of the United States and Canada. Illustrated. 5x8; 337 pages. Cloth, \$1.00.

**Livingston's Celery Book.** 100 pages. Illustrated. Written expressly for us by Mr. E. J. Hollister, the most extensive practical Celery grower and shipper in the United States. IT IS A COMPLETE GUIDE FOR THE CELERY GROWER. Paper cover, 40c.; cloth bound, 60c.

**Forage Crops.** By Thomas Shaw. An exhaustive work. Illustrated. 5x7; 287 pages. Cloth, \$1.00.

**Fences, Gates and Bridges.** How to make all kinds. 300 cuts, 188 pages, 5x7. Cloth, 50c.

**Forcing Book.** The cream of all information on forcing vegetables under glass. 266 pages, 5x7. Cloth, \$1.25.

**Farm Appliances.** Tells how to make them. 250 cuts, 192 pages, 5x7. Cloth, 50c.

**Farming with Green Manures.** 5x7; 269 pages. Cloth, \$1.00.

**Garden Making.** By Bailey. The beginner is shown how easy it is to raise Flowers, Fruits and Vegetables and beautify one's home grounds. 417 pages, 256 illustrations. New edition, \$1.50.

**Gardening for Pleasure.** By Henderson. \$1.50.

**Gardening for Profit.** A standard work, valuable as a reference book. Henderson. \$1.50.

**Grasses: How to Grow Them.** By Thomas Shaw. Illustrated. 5x7; 453 pages. Cloth, \$1.50.

**Ginseng.** Kains. Its cultivation, harvesting, marketing and market value. Illustrated. 5x7; 144 pages. Cloth 50c.

**How to Make a Flower Garden.** Written by experts and covers every branch of the subject. Very practical and suggestive, having been written from actual experience. Many lists of flowers and shrubs for special purposes and seasons are given, with directions how to grow each. 8x11; 370 pages; 200 fine half tone illustrations. Price, \$1.75.

**Landscape Gardening Applied to Home Decoration.** By Maynard. 338 pages, 5x7. Illustrated. Cloth, \$1.50.

**Money in the Garden.** A very practical work on vegetable gardening. 268 pages, 5x7. Cloth, \$1.00.

**Mushroom Culture, Robinson's.** Illustrated. 172 pages. Cloth, 50c.

**Mushrooms: How to Grow.** 14-page booklet. 10c.

**Mushrooms: How to Grow.** Falconer. The best work on this subject published in America. 169 pages, 5x7. Cloth, \$1.00.

**Potatoes, A B C of.** By T. B. Terry, a thoroughly experienced Potato grower for years. Paper, 45c.

**The Pruning Book.** By Bailey. A complete and practical book on the pruning and training of all kinds of trees and shrubs as applied to American conditions. 539 pages, 4½x7. Cloth, \$1.50.

**Picturesque Gardens.** A magnificent book, beautifully illustrated, treating all forms of ornamental gardening. By Henderson. 168 pages, 10x12. Cloth, \$2.50.

**Practical Garden Book.** By Profs. Bailey and Hunn. Gives the simplest directions for growing commonest things. Tells how to plant, prune, train and care for flowers, fruits, vegetables, bushes and trees. 250 pages, with many marginal cuts. Price, \$1.00.

**Rhubarb Culture.** New. How to Grow in Hotbed or Field. Half tone illustrations. 130 pages, 5x7. Cloth, 50c.

**Sweet Potatoes, 40 Years' Experience.** Brown. 20c.

**Silos, Ensilage and Silage.** Complete instructions. Illustrated. 100 pages, 5x7. Cloth, 50c.

**The Gold Mine in the Front Yard.** How to improve your home grounds, be it small or large. A practical guide to the amateur in floriculture. 280 pages, 5x7½. Cloth, \$1.00.

**Tomato Culture.** By Will W. Tracy. A practical treatise on the Tomato. 5x7; 149 pages. Illustrated. Cloth, 50c.

### Fruits, Flowers, Bulbs, Etc.

**Bulbs and Tuberous Rooted Plants.** By Allen. Complete directions for their successful culture. 5x7 inches; 311 pages. Illustrated. Cloth, \$1.50.

**Best Method of Heating Greenhouses.** 13 essays. 25c.

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## How to Make a Lawn

The preparation of the soil is very important in making a good lawn. As early as possible in the spring it should be thoroughly dug or plowed to the depth of 10 or 12 inches and properly graded to the desired level. Remove all stones, sticks, sods, etc.; harrow or rake it fine and roll it firm. It is impossible to get the soil too fine to receive the seed. After rolling, the soil will be ready for the seed. If the soil is poor, wood ashes, bone meal or pulverized sheep manure should be added after digging it up. Well rotted stable manure is also good, but it often contains weed seeds. **Sow the best seed obtainable**; it is always cheapest in the end. Use quantity as indicated in directions on this page. It is best to sow seed liberally, not only so as to produce a lawn quickly, but because the best lawn seed produces fine-leaved grasses which should take entire possession of the ground at once, thus choking out and preventing the development of any weed seeds which are apt to be in all soils. Sow seed by hand or with the new "Velvetlawn" seeder offered on page 42. After sowing by hand, cover the seed by raking; then roll. When the grass has become well rooted, use lawn mower. Keep the mower sharp. A dull mower will pull and injure the grass, besides causing the lawn to have an uneven appearance.

### Tennis Court Mixture

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### Golf Link Mixture

We make a mixture of grasses suitable for the purposes of the golf links, so it will stand rough usage. We can also prescribe for links located on poor or rich, dry or wet soils, telling which grass will best suit each location. **Let us know your requirements.**

### White Clover

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**Special Quotations**—We are always pleased to quote special prices to parks, institutions, golf clubs and others who require Lawn Grass Seeds in large quantities.

Never allow the grass to become so high that the mower will take off the first joint, as this is an injury. Mow as often as necessary—in growing weather at least once a week. Let the short clippings remain on the lawn, as they wither and dry and form a protection to the roots. When the clippings are long, they should be raked off; for, besides being unsightly, they are injurious. When dry and hot, avoid cutting too close. In the early spring, every lawn should be carefully rolled, to smooth and firm the soil and take out any unevenness caused during the winter by the heaving of the frost. During dry spells the lawn should be thoroughly soaked once a week in the evening or after the sunshine is off the lawn.

**To Grass a Terrace**—Take for each square rod a pound of lawn grass seed and mix it with about six cubic feet of good dry garden loam. Place it in a tub and add liquid manure, diluted with about two-thirds water until the mixture has the consistency of mortar. Make the slope perfectly even and smooth, water it well; then apply the paste in a thin, even coat.

**Old Lawns** can be renovated by using half quantity of seed necessary to make a new lawn. Rake in the seed with a sharp tooth rake early in the spring.

# LIVINGSTON'S GUIDE TO FALL PLANTING

Tells When  
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